**Prashanth Pedduri**

**Java Fullstack Architect**

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**Summary:**

* Seasoned Java Fullstack Architect with over 17 years of expertise in designing, developing, and maintaining scalable enterprise applications.
* Defined and enforced architectural standards, ensuring consistency across projects and teams.
* Conducted architectural reviews and code audits to ensure adherence to best practices and industry standards.
* Proficient in Java development with experience following Agile SDLC methodologies, including Scrum and Kanban.
* Expertise in Spring Framework components such as Core, Boot, Batch, MVC, Transaction, Data JPA, and AOP, enhancing application scalability and performance.
* Facilitated technical workshops and training sessions to upskill team members and promote knowledge sharing.
* Skilled in ORM tools like Hibernate and JDBC for efficient data persistence and management across MySQL, MongoDB, PostgreSQL, Redis, and SQL Server databases.
* Experienced in developing RESTful APIs and implementing Microservices architecture, utilizing Swagger for API documentation, and integrating SOAP services using WSDL.
* Hands-on experience with cloud platforms, including AWS (EC2, S3, RDS, IAM, Lambda, API Gateway, ELB, Route53, EKS, CloudFront), Azure (App Service, Cosmos DB, Logic Apps), and GCP (Compute Engine, Cloud Storage, BigQuery).
* Implemented security best practices and conducted security assessments to safeguard applications against vulnerabilities and threats.
* Proficient in front-end technologies HTML5, CSS3, JavaScript, jQuery, AJAX, and modern frameworks such as React, React.js, Angular, and Vue.js, with expertise in Bootstrap for responsive web design.
* Skilled in log management and analytics using ELK stack, Splunk, and Log4J, ensuring application monitoring and troubleshooting efficiency.
* Utilized Jira for project management and Agile methodologies to facilitate team collaboration, problem-solving, and timely project delivery.
* Implemented security protocols, including OAuth, Azure AD, and Spring Security, to safeguard applications deployed on Apache Tomcat and WebLogic servers.
* Proficient in building automation tools, such as Maven and Gradle, CI/CD pipelines using Jenkins, containerization with Docker, and Kubernetes orchestration.
* Familiar with IDEs such as IntelliJ IDEA, Eclipse IDE, and Visual Studio Code, and proficient in version control systems like Git and GitHub.
* Proficient in designing and implementing multithreaded applications for improved performance and resource utilization
* Practiced Test-Driven Development (TDD) with JUnit and Mockito for unit testing, ensuring high code quality and reliability.
* Proficient in a comprehensive range of Java frameworks: Spring (Core, Boot, MVC, Batch, Security, Data JPA, WebFlux), Hibernate ORM, and Struts.
* Skilled in messaging technologies: Apache Kafka, RabbitMQ, ActiveMQ, and JMS.
* Experienced in full-stack web development with HTML5, CSS3, JavaScript (ES6+), TypeScript, AJAX, jQuery, Angular, React, React.js, Node.js, Redux, Vue.js, Bootstrap, and Express.js.
* Versed in diverse databases: MySQL, PostgreSQL, Oracle, SQL Server, MongoDB, Redis, DynamoDB, and CosmosDB.
* Adept in integrating systems through RESTful APIs, SOAP web services, GraphQL, XML, XSD, XSLT, and JSON.
* Proficient with cloud platforms, such as AWS and Microsoft Azure; skilled in containerization using Docker and Kubernetes (EKS, OpenShift).
* Demonstrated track record in implementing CI/CD pipelines with Jenkins and Azure DevOps, ensuring high-quality software delivery.
* Experienced in Python development for scripting and automation, leveraging frameworks such as Django and Flask.
* Knowledgeable in Node.js for server-side JavaScript development, enhancing scalability and performance of applications.
* Skilled in Unix/Linux environments, including system administration and scripting for automation and efficiency.
* Proficient in multi-threading for optimizing application performance and resource utilization.
* Experienced in test automation with Selenium, creating robust and reliable test scripts for web applications.
* Strong communication and collaboration abilities across diverse teams, fostering a productive work environment.
* Proven ability to deliver robust software solutions to meet business objectives.

**Technical Skills:**

**Programming Languages**: Java, Python, JavaScript, TypeScript, SQL, Go

**Java Frameworks**: Core Java, Spring Framework (Core, Boot, MVC, Batch, Security, Data JPA, WebFlux), Hibernate ORM, Struts

**Back-end Technologies**: Java, Spring Boot, Hibernate, JPA, RESTful APIs, Microservices, Node.js, Express.js

**Cloud Platforms & Services**: AWS (EC2, RDS, S3, Lambda, API Gateway, CloudFront, Autoscaling), Microsoft Azure (App Service, Functions, Logic Apps, Azure AD, Azure DevOps), GCP (Compute Engine, Cloud Storage, BigQuery)

**Messaging & Event-Driven Technologies**: Apache Kafka, RabbitMQ, ActiveMQ, JMS

**Web Development**: HTML5, CSS3, JavaScript (ES6+), TypeScript, AJAX, jQuery, Angular, React, Redux, Vue.js, Bootstrap, Material UI

**Databases**: MySQL, PostgreSQL, Oracle, SQL Server, MongoDB, Redis, DynamoDB, CosmosDB

**Integration & Data Processing**: RESTful APIs, SOAP Webservices, GraphQL, XML, XSD, XSLT, JSON

**Logging, Monitoring & Analytics**: ELK Stack, Data Dog, CloudWatch

**Security**: Spring Security, OAuth2, SSL/TLS encryption, Azure AD

**Application Servers**: Apache Tomcat, WebLogic, WebSphere

**IDEs**: IntelliJ IDEA, Eclipse IDE, Visual Studio Code

**CI/CD**: Jenkins, Azure DevOps

**Containerization & Orchestration**: Docker, Kubernetes (EKS, OpenShift)

**Testing & Quality Assurance**: JUnit, Mockito, SonarQube, Selenium

**Build & Dependency Management**: Maven, Gradle, Ansible, Terraform

**Development Methodologies**: SDLC, Agile, Scrum, CI/CD, Confluence, JIRA

**Version Control & Collaboration**: Git, GitHub, BitBucket

**Operating Systems:** Windows, macOS, Unix, Linux

**Experience:**

**Eko.AI Pte Ltd. | March 2021 – July 2024**

**Java Fullstack Architect**

* Employed Software Development Life Cycle (SDLC) methodologies to deliver top-tier software solutions, ensuring adherence to project timelines and specifications.
* Architected and led the development of large-scale, distributed systems using Java, Spring Boot, Node.js, and React.js with microservices architecture.
* Spearheaded the migration of monolithic applications to cloud-based microservices architecture, improving scalability and performance.
* Directed a team of senior developers and architects, providing technical guidance and ensuring adherence to best practices in Java, Python, and Node.js development.
* Established CI/CD pipelines with Jenkins, Docker, Kubernetes, and Ansible, significantly enhancing deployment efficiency and automation across diverse environments.
* Collaborated with executive management to align technical strategy with business objectives, driving innovation and growth while integrating new technologies such as Python and Node.js.
* Leveraged Spring Core and Spring Boot frameworks to construct scalable and maintainable Java applications and utilized Node.js for building fast, scalable network applications.
* Evaluated and recommended new technologies, tools, and frameworks, including React.js for dynamic front-end development and Python for data processing and machine learning tasks.
* Orchestrated batch processing using Spring Batch and Python to manage large data volumes, optimize workflows, and automate data processing tasks efficiently.
* Oversaw deployment on AWS cloud infrastructure (EC2, RDS, S3, Lambda, API Gateway, CloudFront), ensuring scalability, reliability, and cost-efficiency, while integrating monitoring and logging using CloudWatch.
* Configured autoscaling and load balancing with AWS Autoscaling and leveraged multithreading techniques in Java and Python to enhance application performance and concurrency handling.
* Engineered RESTful APIs with Spring WebFlux and Node.js, achieving 95% uptime and reliability across multiple releases, and integrated Apache Kafka for real-time data streaming and event-driven architectures.
* Employed MySQL and MongoDB for streamlined data storage, optimizing database query response times by 30% and implementing NoSQL solutions for scalable data management.
* Managed project dependencies and builds with Gradle and integrated with GitHub for version control, ensuring seamless collaboration and integration.
* Architected microservices with Spring Boot and Node.js, facilitating modular, scalable, and independent service deployment, and developed dynamic client-side interactions using JavaScript ES6+, React, React.js, Redux, and React Router.
* Developed responsive web interfaces using HTML5, CSS3, and Bootstrap, ensuring cross-browser compatibility and accessibility, and employed Python scripts for automation and machine learning tasks to enhance system capabilities.
* Established and maintained API documentation and testing using Swagger, cutting onboarding time by 50% and enhancing API usability ratings.
* Practiced Agile and Scrum methodologies, employing JIRA for project management and issue tracking, and conducted unit testing with the JUnit framework and Selenium for end-to-end web application testing.
* Configured and administered Apache Tomcat for deploying Java web applications and set up CI/CD pipelines with Jenkins, Docker, Kubernetes, Ansible, and Terraform for automated build, test, and deployment processes.
* Integrated Apache Kafka for real-time data streaming and event-driven architectures, achieving 98% uptime in data delivery and employing Unix-based systems for development, scripting, and deployment tasks.
* Developed and managed XML-based data formats and transformations using XML, XSD, and XSLT, ensuring data consistency and compatibility across systems with 100% schema validation accuracy.
* Implemented security protocols with Spring Security, ensuring compliance with OWASP Top 10 standards and achieving zero security breaches.

**Environment:** Java, Python,MongoDB, CloudWatch Bootstrap, Node.js, Agile, Spring Boot, Jenkins, Spring Core, JUnit, React, React.js, Ansible, JavaScript ES6+, Spring Batch, GitHub, Docker, MySQL, Kubernetes, Swagger, Terraform, Apache Tomcat, Gradle, Kafka, AWS, JIRA, Scrum, Unix, Selenium.

**Synapxe (Integrated Health Information Systems), Singapore | June 2019 – March 2021**

**Lead Java Fullstack Developer/Architect**

* Designed and implemented robust back-end systems and RESTful APIs for high-traffic applications using Spring Boot, Node.js, and Python, achieving enhanced scalability and performance.
* Led front-end development with Angular and React.js, ensuring seamless user experiences and achieving a 20% increase in user satisfaction ratings through dynamic and interactive interfaces.
* Coordinated with product managers and stakeholders to gather requirements and define project scope, incorporating technologies such as Java, TypeScript, and Python to meet evolving needs.
* Optimized application performance through database tuning and code refactoring, leveraging MySQL, PostgreSQL, and MongoDB for improved data management and query efficiency.
* Mentored and coached junior developers, fostering a culture of continuous learning and improvement in areas including multithreading, Unix-based systems, and modern development frameworks.
* Designed and engineered enterprise-grade applications using the Spring framework, implementing dependency injection (DI) and inversion of control (IoC) to ensure modular and maintainable code, demonstrating agility in adopting new technologies.
* Developed dynamic and interactive web interfaces with JSP, Servlets, AJAX, Angular with TypeScript, and React.js, enhancing user engagement and responsiveness.
* Employed aspect-oriented programming (AOP) within the Spring framework to manage cross-cutting concerns such as logging, security, and transaction management, enhancing system robustness and maintainability.
* Leveraged Spring Data JPA and MongoDB for optimized data access and manipulation, improving interactions with PostgreSQL and Redis databases, and integrating NoSQL solutions for scalable data management.
* Created RESTful APIs and microservices using Spring Boot and Node.js, fostering scalable and decoupled architectures, resulting in a 30% improvement in API response time and enhanced system scalability.
* Deployed and administered applications on AWS EC2 instances, utilizing services like S3, RDS, Lambda, and Autoscaling for high availability and reliability, and employing multithreading techniques for improved concurrency handling.
* Integrated Kafka messaging queues for real-time data processing and event-driven architectures, boosting system responsiveness and scalability by 40%.
* Executed comprehensive unit tests using the JUnit framework and Selenium for end-to-end testing, ensuring robust code quality and application functionality.
* Established CI/CD pipelines with Jenkins, Maven, Git, Docker, Kubernetes, and Terraform, automating build, test, and deployment processes, reducing time-to-market by 30% and improving deployment efficiency by 40%.
* Conducted code quality analysis using SonarQube, ensuring compliance with coding standards and identifying 95% of potential vulnerabilities or bugs.
* Orchestrated containerized deployments using OpenShift in Kubernetes environments, and implemented centralized logging and monitoring with ELK (Elasticsearch, Logstash, Kibana) for real-time analysis and faster issue resolution by 50%.
* Implemented OAuth2 for secure authentication and authorization mechanisms across applications and APIs, ensuring compliance with industry security standards.
* Configured and maintained WebSphere application server environments to support enterprise applications, and utilized Unix-based systems for development, scripting, and deployment tasks.
* Practiced Agile and Scrum methodologies, collaborating with cross-functional teams and utilizing JIRA for effective project management and issue tracking, and integrating Python scripts for automation and data processing tasks.

**Environment:** Angular, Jenkins, AWS, ELK, Git, Spring Boot, Maven, OAuth2, Servlets, SonarQube, Spring framework, OpenShift, JIRA, JUnit, WebSphere, AJAX, Scrum, Spring Data JPA, Typescript, Kafka, Agile, JSP, Python, MongoDB, Selenium, Node.js, React.js, Unix

**ST Electronics Pvt. Ltd., Singapore | March 2019 – May 2019**

**Lead Java Fullstack Developer**

* Implemented Spring framework components, such as IoC, DI, and AOP, to achieve loose coupling and enhance code modularity in Java applications, and employed similar patterns in Node.js and Python for consistent architecture.
* Designed and developed RESTful APIs using Spring Boot, Node.js, and Express.js to facilitate communication between different systems and services, improving interoperability and integration.
* Engineered data pipelines using Azure Data Factory (ADF) and Python for efficient data processing and ETL operations, integrating MongoDB for scalable NoSQL data management.
* Deployed ActiveMQ and Kafka for reliable messaging and real-time data processing between distributed components, enhancing system responsiveness and data throughput.
* Managed project dependencies and build processes using Maven and Gradle, ensuring effective project management and streamlined integration with CI/CD pipelines in Azure DevOps.
* Processed JSON and XML data for interoperability and communication between systems, ensuring data consistency and compatibility.
* Established authentication and authorization using Azure AD and OAuth2 for secure access to applications and APIs, enhancing security compliance.
* Controlled source code repositories using BitBucket and GitHub, and set up CI/CD pipelines using Azure DevOps, Jenkins, and Docker for automated build, test, and deployment processes.
* Designed and developed modern web interfaces using HTML5, CSS3, JavaScript, React.js, and Angular with TypeScript for dynamic and interactive user experiences, achieving a 20% increase in user satisfaction ratings.
* Employed Lambda expressions in Java and Python for concise and functional programming, improving code readability and performance.
* Utilized Express.js, Angular frameworks, and TypeScript to build scalable and maintainable web applications, and employed React.js for dynamic client-side interactions.
* Deployed applications on WebSphere and OpenShift platforms for high availability and scalability, and employed multithreading techniques for improved concurrency handling.
* Implemented robust exception-handling mechanisms and error-recovery strategies to ensure system stability and reliability.
* Managed Microsoft Azure services such as Azure App Service, Azure Functions, and Azure Logic Apps for cloud-based application development and integration, and utilized Linux-based systems for scripting and automation tasks.
* Employed Spring Data JPA for seamless database integration with PostgreSQL, and integrated MongoDB for flexible NoSQL data management and query optimization.
* Oversaw project tasks and collaborated with teams using JIRA for efficient project management and tracking, and developed and maintained code using IntelliJ IDEA IDE for Java development.
* Monitored application performance and health using Data Dog and ELK stack (Elasticsearch, Logstash, Kibana) for proactive issue identification and resolution, and conducted unit tests using the JUnit framework and Selenium for end-to-end testing.
* Implemented security protocols with Spring Security and Azure AD, ensuring compliance with OWASP Top 10 standards and achieving zero security breaches.

**Environment:** Azure AD, PostgreSQL, WebSphere, JUnit, BitBucket, Angular, Azure, JSON, Typescript, IntelliJ, Data Dog, ActiveMQ, JIRA, Azure DevOps, Maven, OpenShift, Spring, Python, MongoDB, Selenium, Node.js, React.js, Linux.

**Axway Pte. Ltd., Singapore | December 2016 – December 2018**

**Sr. Java Fullstack Developer**

* Developed scalable microservices architecture using Spring Boot, Spring Data JPA, and Spring IoC with Dependency Injection to enhance modularity and performance.
* Designed and implemented RESTful APIs using Spring Boot, Node.js, and Express.js for seamless integration with front-end applications and third-party services, adhering to industry best practices.
* Implemented Core Java concepts and Lambda expressions, improving data processing efficiency by 30% and achieving a 98% code readability score.
* Utilized JSF, JSP, Servlets, and React.js to develop dynamic and interactive web applications, ensuring 95% user satisfaction based on usability tests.
* Managed relational databases including PostgreSQL and NoSQL databases like Redis and MongoDB, optimizing data storage and retrieval processes by 40%.
* Deployed and managed applications on GCP services such as Compute Engine, Cloud Storage, and Cloud SQL, and implemented Autoscaling, achieving 90% cost optimization through dynamic resource allocation.
* Developed front-end interfaces using Angular, HTML5, CSS3, JavaScript, and React.js, ensuring cross-browser compatibility and responsive design.
* Implemented logging and centralized log management using Logstash, ensuring real-time analysis of application logs for troubleshooting and monitoring.
* Configured messaging systems with GCP Pub/Sub for reliable message queuing and notification services between microservices.
* Automated build and deployment processes using Gradle, Jenkins, and Docker, achieving 95% automation coverage for continuous integration and delivery.
* Managed application servers like WebLogic, achieving 99.5% server uptime and 50% improvement in application deployment efficiency.
* Utilized Python for scripting and automation tasks, enhancing system efficiency and supporting data processing operations.
* Applied Node.js for building fast, scalable server-side applications, integrating with various microservices and APIs.
* Implemented multithreading techniques in Java and Python to improve application performance and concurrency handling.
* Administered Linux environments for development and production, utilizing shell scripting for system automation and maintenance.
* Utilized IntelliJ IDEA for development and version control with Git, ensuring 100% code collaboration and management efficiency.
* Practiced Agile methodologies (Scrum) and utilized JIRA for project management, ensuring timely delivery of software iterations and effective team collaboration.
* Implemented OAuth authentication for secure API access and user authorization, ensuring data integrity and privacy.
* Conducted comprehensive unit testing using JUnit and automated UI testing with Selenium, ensuring the robustness and reliability of applications across environments.

**Environment:** Spring Boot, Core Java, PostgreSQL, Redis, Angular, JavaScript, Logstash, Gradle, Jenkins, WebLogic, IntelliJ IDEA, Agile, Scrum, JIRA, OAuth, Docker, Junit, GCP, Python, MongoDB, Selenium, Node.js, React.js, Linux.

**Head Digital Works (Head Infotech India) | February 2015 – October 2016**

**Sr. Java/J2EE Developer**

* Developed robust Java backend applications utilizing the Spring Framework, ensuring seamless integration with various system components.
* Implemented Inversion of Control (IoC) and Dependency Injection (DI) principles to enhance the modularity and flexibility of application components.
* Integrated Oracle databases with Spring MVC and Spring Data JPA for efficient data access and manipulation.
* Leveraged Azure Cloud services, including Azure App Service, Azure Functions, and Azure Logic Apps, to deploy and manage scalable cloud-based applications.
* Utilized Azure Data Factory (ADF) for efficient data integration and transformation workflows, enabling seamless data flow across systems.
* Developed dynamic web interfaces using JSP, HTML, CSS, JavaScript, and JQuery, enhancing user experience and interactivity.
* Configured and managed applications on WebSphere Application Server, ensuring high availability and performance.
* Implemented message queuing systems using RabbitMQ, facilitating reliable asynchronous communication between microservices.
* Integrated Redis for caching, significantly improving application response times and reducing database load.
* Developed and consumed RESTful APIs, enabling efficient communication and data exchange between distributed systems.
* Collaborated with cross-functional teams using Confluence for documentation and project management, ensuring transparency and streamlined communication.
* Managed CI/CD pipelines and source code repositories using Azure DevOps, ensuring efficient build, test, and deployment processes.
* Automated project build processes with Maven, ensuring consistent and reproducible builds across different environments.
* Followed Agile (Kanban) methodologies to prioritize tasks, enhance team collaboration, and ensure timely delivery of features.
* Implemented secure authentication and authorization mechanisms using JSON Web Tokens (JWT), ensuring safe access to APIs and services.
* Conducted thorough unit testing with JUnit, ensuring code quality and reliability before deployment to production.

**Environment:** Spring, Oracle, Azure Cloud, Spring MVC, Spring Data JPA, JSP, JQuery, WebSphere, RabbitMQ, Redis, Confluence, Azure DevOps, Maven, Agile (Kanban), JWT, JUnit.

**IBM Software Labs, India | December 2012 – February 2015**

**Java Bankend Developer**

* Developed and maintained enterprise-level applications using Spring IoC and Dependency Injection for modular and maintainable code.
* Implemented messaging solutions using ActiveMQ for asynchronous communication between distributed systems.
* Wrote complex SQL and PL/SQL queries to optimize database operations and ensure data integrity in Oracle databases.
* Deployed and managed applications on AWS services, including EC2, S3, RDS, and Lambda, to leverage cloud-based solutions.
* Developed AJAX-based solutions for dynamic and real-time data updates in web applications, improving interactivity.
* Designed and implemented RESTful APIs with Spring Boot to support microservices architecture, ensuring efficient and scalable web services.
* Utilized Enterprise JavaBeans (EJB) to build robust and scalable server-side components for business logic.
* Automated build and deployment processes with Jenkins and Maven, improving development efficiency and continuous integration.
* Built responsive and interactive web applications using HTML5, CSS3, Vue.js, and jQuery to enhance user experience.
* Created dynamic web pages using JavaServer Pages (JSP) and Servlets, integrating backend functionality with front-end interfaces.
* Designed and integrated XML-based configurations and data exchanges for seamless system integration.
* Employed Hibernate ORM for efficient database mapping and interaction, reducing boilerplate code and improving data access performance.
* Used BitBucket for version control and collaborative development, ensuring effective code management and team collaboration.
* Implemented comprehensive exception-handling mechanisms to enhance application stability and error management.
* Practiced Agile methodologies, specifically Kanban, to effectively manage project tasks and deliverables.
* Utilized Eclipse IDE for development, debugging, and integration tasks to enhance productivity and code quality.

**Environment:** Spring IoC, ActiveMQ, SQL, Oracle, AWS, AJAX, Spring Boot, EJB, Jenkins, Maven, HTML5, CSS3, Vue.js, jQuery, JSP, Servlets, XML, Hibernate, BitBucket, Agile, Eclipse IDE

**SAP Labs, India | June 2011 - December 2012**

**Java Developer**

* Developed robust web applications using the Struts framework, leveraging Servlets and JSP for dynamic content presentation.
* Implemented efficient data persistence solutions using Hibernate ORM to interact with Oracle databases, optimizing SQL queries for performance.
* Designed and implemented RESTful APIs for seamless integration using SOAP and WSDL standards, ensuring reliable data exchange.
* Utilized Collections Framework to manage and manipulate complex data structures within Object-Oriented Programming principles.
* Utilized Eclipse IDE for Java development, ensuring streamlined coding, debugging, and integration processes.
* Implemented version control and collaboration using GIT, ensuring seamless code management and integration within Agile workflows.
* Designed and developed responsive user interfaces using HTML, CSS, and JavaScript, providing a seamless user experience across platforms.
* Configured build processes with ANT for automating application builds and deployments, ensuring consistency and efficiency.
* Implemented logging and monitoring using Log4J for application performance tracking and troubleshooting in Agile/Scrum environments.
* Integrated messaging solutions with JMS for asynchronous communication between distributed components.
* Conducted thorough unit testing using Mockito and JUnit, ensuring high code quality and robustness of applications.

**Environment:** Struts, JSP, Hibernate, GIT, Java, ANT, SOAP, WSDL, VS Code, Servlets, SQL queries, Oracle, JIRA, Agile/Scrum, Log4J, JMS, unit testing, Mockito.

**Informatica, India | October 2010 – June 2011**

**Java Developer**

* Demonstrated proficiency in SQL and PL/SQL for database operations, optimizing queries to enhance efficiency and facilitate data retrieval.
* Implemented SOAP web services with WSDL definitions, ensuring seamless communication between disparate systems.
* Developed robust backend applications using Core Java, leveraging Hibernate for ORM mapping and integrating with the Struts framework for efficient MVC architecture.
* Wrote complex SQL queries and optimized database operations for Oracle databases, ensuring data integrity and efficient retrieval.
* Applied object-oriented design principles to create scalable and maintainable code, utilizing data structures and algorithms to optimize performance.
* Employed Servlets and EJBs to manage server-side logic, enhancing application scalability and performance.
* Integrated Java Message Service (JMS) for asynchronous communication between distributed components.
* Utilized Git for version control, facilitating collaborative development, and managing the code repository effectively.
* Configured Log4j for logging and monitoring application performance, effectively debugging issues.
* Designed and developed custom tag libraries and optimized JSP pages for dynamic user interfaces in web applications.
* Implemented unit tests using the Mockito framework to ensure code reliability and adherence to specifications.
* Managed project tasks, issues, and workflows using JIRA, ensuring timely delivery and effective stakeholder communication.

**Environment:** Log4j, Eclipse IDE, Hibernate, SQL, Git, SOAP, PL/SQL, Mockito, Servlets, EJB, Struts, WSDL, JMS, Core Java, JIRA, JSP

**SAP Labs, India | June 2008 - October 2010**

**Java Software Engineer**

* Implemented server-side logic using Enterprise JavaBeans (EJB) to ensure scalable and secure business processes.
* Designed and implemented enterprise-level applications using Java and Apache Struts framework, adhering to MVC architecture principles.
* Documented project details and collaborated with team members using Confluence for effective knowledge sharing and project management.
* Enhanced front-end interactivity and user experience by incorporating JavaScript and jQuery for dynamic web applications.
* Utilized Java Message Service (JMS) for reliable and asynchronous communication between application components.
* Used Subversion (SVN) for version control, ensuring proper code management and collaboration within the development team.
* Developed robust backend systems with Hibernate ORM for efficient data mapping and database interactions.
* Automated build and deployment processes with Apache Ant, streamlining the development lifecycle and enhancing productivity.
* Designed and developed SOAP web services with well-defined WSDLs to enable seamless integration between distributed systems.
* Conducted unit testing with Mockito to ensure code quality and reliability, implementing thorough test cases.
* Employed JSON for data interchange between client and server, enabling smooth and lightweight data communication.
* Managed logging and monitoring using Log4J, facilitating efficient debugging and performance optimization.

**Environment:** Java, Struts, EJB, JavaScript, jQuery, JMS, SVN, SQL, Oracle, Hibernate, Ant, SOAP, WSDL, Mockito, JSON, Log4J, Confluence

**Wipro Technologies, India | August 2006 – May 2008**

**Software Engineer**

* Utilized EJB (Enterprise JavaBeans) to implement business logic and interact with backend systems.
* Developed dynamic and interactive user interfaces by incorporating Struts tags into JSP pages.
* Implemented database operations by writing SQL queries and utilizing SQL Server for data storage and retrieval.
* Employed Servlets to process HTTP requests and generate server-side dynamic content.
* Utilized Hibernate for efficient object-relational mapping, enhancing code maintainability and simplifying database interactions.
* Configured and maintained logging with Log4J to facilitate error tracking and application performance monitoring.
* Designed and implemented web applications utilizing the Struts framework, adhering to MVC architecture principles.
* Collaborated with team members using GIT for version control, ensuring effective code repository management.
* Orchestrated project builds and dependencies using Apache ANT, ensuring smooth and automated development workflows.
* Conducted comprehensive debugging and troubleshooting to identify and resolve code and application functionality issues.
* Configured and managed actions in the struts.xml file to handle user requests and streamline application navigation.
* Developed and debugged Java applications in the Eclipse IDE, ensuring high code quality and reliability.

**Environment:** Struts, MVC, JSP, Servlets, EJB, Hibernate, SQL, SQL Server, Eclipse, ANT, GIT, Log4J.

**Achievements:**

* Architected and implemented a CI/CD pipeline using Jenkins and Docker, reducing deployment times by 50%.
* Implemented Kafka for real-time data streaming and event-driven architectures, enhancing system responsiveness and scalability by 40%, demonstrating expertise in managing large-scale data processing.
* Engineered CI/CD pipelines with Jenkins, Docker, Kubernetes, Ansible, and Terraform, automating build, test, and deployment processes to slash time-to-market and operational costs by 30%.
* Designed and developed enterprise-grade applications with Spring Boot and Angular using TypeScript, leading to a 20% improvement in user satisfaction ratings through dynamic and interactive web interfaces.
* Developed applications using Java, Spring Core, and Spring Boot, achieving a 98% code maintainability score based on static analysis tools. Implemented best practices and design patterns to ensure robustness and scalability.
* Designed and executed a scalable microservices architecture using Spring Boot and Spring Batch, enhancing performance and reliability. Deployed applications on AWS Cloud (EC2, S3, RDS) and utilized Docker and Kubernetes for optimized containerized deployments, achieving 90% cost optimization through efficient resource utilization.
* Successfully developed RESTful APIs integrated with Hibernate ORM for seamless data persistence across MySQL and MongoDB databases. Documented APIs using Swagger for clear and comprehensive documentation, ensuring smooth integration with external systems and third-party services.