**SATHWIKA VADNALA**

Java Full Stack Developer

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PROFESSIONAL SUMMARY

* 5.6 years of experience as a Java Full Stack Developer specializing in designing, developing, and deploying web applications and microservices.
* Proficient in Java (versions 8, 11, and 17), with solid experience in SQL, PL/SQL, and Python for backend development and data management.
* Extensive knowledge of Java EE technologies, including JSP, Servlets, JavaBeans, JDBC, Struts, RMI, EJB, Hibernate, and Spring Framework.
* Skilled in creating and integrating RESTful and SOAP web services, utilizing SOA principles and JMS for effective service-oriented architecture.
* Advanced expertise in modern web technologies, including HTML, CSS, JavaScript, TypeScript, and frameworks such as Angular (11/15), React JS, and Node JS, with a strong understanding of AJAX.
* Hands-on experience with major web and application servers like Tomcat, WebLogic, IBM WebSphere, Apache HTTP Server, and JBoss.
* Proficient in cloud technologies such as AWS (EC2, ECS, S3, Lambda, CloudWatch), as well as Docker, Kubernetes, and Azure for building and managing scalable cloud solutions.
* Advanced skills in database management with experience in Oracle, MySQL, DB2, MongoDB, and PLSQL, including database design and optimization.
* Experienced with multiple operating systems, including Windows, UNIX, and Linux, supporting cross-platform application development and deployment.
* Adept in Agile methodologies and Scrum, contributing to iterative development, project planning, and team collaboration.
* Skilled in using build tools like ANT, Maven, and Gradle to automate the build process and streamline project management.
* Experienced with logging and monitoring tools such as Log4j, Log Insight, SonarQube, and Sonar Lint for ensuring code quality and application stability.
* Strong background in DevOps practices with expertise in Docker, Kubernetes, Jenkins, and CI/CD pipeline development for continuous integration and deployment.
* Proficient in version control systems including Git, GitLab, SVN, and Bitbucket for managing code and facilitating collaborative development.
* Competent in testing frameworks and tools such as JUnit, Mockito, Postman, Jasmine, Karma, and Selenium, ensuring robust and reliable software.
* Experienced with Sybase Power Designer for advanced database modeling and design.
* Skilled in XML processing using SAX and DOM Parsers, JAXB, and JAXP for efficient data binding and parsing.
* Knowledgeable in LDAP for authentication and directory services, enhancing security and user management.
* Proficient in Apache Kafka for real-time data streaming and messaging, ensuring reliable and scalable communication between distributed systems.
* Hands-on experience with Kotlin and Scala for functional programming, and Cucumber for implementing Behavior-Driven Development (BDD), driving collaboration and test automation.
* Expertise in Open Systems and OpenStack for cloud infrastructure management, and AWS IAM for secure access control and identity management.
* Demonstrates strong problem-solving abilities with a focus on delivering high-quality solutions within tight deadlines.
* Effective communicator and team player, committed to contributing to successful project outcomes and continuous process improvements.

EDUCATION

* Bachelor’s in electrical and Electronics Engineering from JNTUH,2021
* Master’s in computer science from University of North Texas,2024

TECHNICAL SKILLS

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| **Languages** | Java (8/11/17, SQL, PL/SQL), Typescript, Python. Kotlin, Scala |
| **Technologies** | JSP, Servlets, JavaBeans, JDBC, Struts, RMI, EJB, Hibernate, Spring, SOA, JMS, SAX and DOM Parsers, AJAX, JAXB, JAXP, LDAP, Sybase Power Designer, RESTful and SOAP web services, Apache Kafka |
| **Web Technologies** | HTML, JavaScript, XML, CSS, Angular 11/15, Bootstrap, Java Script, React JS, Node JS. |
| **Web/Application Servers** | Tomcat, WebLogic, IBM WebSphere, HTTP Server, JBoss. |
| **Cloud Technologies** | AWS (Amazon Web Services), AWS EC2, AWS ECS (Elastic Container Service), AWS S3 (Simple Storage Service), AWS Lambda, Cloud Watch, Docker, Kubernetes, Azure, OpenStack, AWS IAM |
| **Data Base** | Oracle, PLSQL, MySQL, DB2, Mongo DB. |
| **Platforms** | Windows, UNIX, LINUX, Open Systems |
| **Methodologies** | Agile Methodology, Scrum |
| **Build Tools** | ANT, Maven, Gradle. |
| **Logging and Monitoring** | Log4j, SonarQube, Log Insight, Sonar Lint, Kibana |
| **DevOps and CI/CD** | Docker, Kubernetes, Jenkins, CI/CD Pipelines |
| **Version Controls** | Git, Git Lab, SVN, Bit Bucket |
| **Testing/Other Tools** | Jira, Junit, Mockito, Postman, Jasmine, Karma, Selenium, Cucumber |

WORK EXPERIENCE

**Toyota Financial Services Jan 2024 to till now.**

**Role: Java Full Stack Developer**

**Location: Plano, TX**

**Responsibilities:**

* Developed microservices architectures with Java 11/17 and Spring Boot, focusing on scalability and performance across distributed systems.
* Built RESTful APIs and SOAP web services to enable seamless communication between different services, integrating well with existing systems.
* Designed and managed AWS cloud infrastructure, using EC2, S3, VPC, Lambda, and CloudWatch to optimize resources and ensure system reliability.
* Orchestrated containerized applications using Docker and Kubernetes, automating deployments with Maven and Jenkins to streamline the release process.
* Implemented event-driven architectures with Apache Kafka to handle real-time data streaming, ensuring the platform supported high-throughput and low-latency requirements.
* Worked on data access layers with JPA and Spring Data, optimizing database interactions with Oracle, MongoDB, and Cassandra to enhance data retrieval efficiency.
* Strengthened security by implementing AWS IAM policies, along with OAuth 2.0 and JWT, to protect sensitive information and secure user access.
* Used Splunk for monitoring and log analysis, setting up alerts and dashboards to keep the system stable and to quickly identify issues.
* Practiced Test-Driven Development (TDD) using Selenium and Cucumber to write reliable tests, which led to higher code quality and fewer production bugs.
* Leveraged Scala and Apache Spark for big data processing tasks, building and optimizing large-scale analytics pipelines to handle complex datasets efficiently.
* Contributed to front-end development with Angular 15, using React hooks to manage states and create responsive user interfaces that improved the user experience.
* Reviewed code and mentored junior developers, sharing best practices in Core Java, Spring, and Kotlin to ensure high code standards.
* Automated infrastructure management with OpenStack, creating a scalable and resilient environment for enterprise applications.
* Used GIT and IntelliJ IDEA for version control, ensuring smooth collaboration and efficient development workflows across the team.
* Worked on integrating and maintaining open system architectures, ensuring our solutions were flexible and compatible across various platforms and with legacy systems.

**Environment**: Java 11, Java 17, Core java, SOAP, Python, Spring Boot, JPA, Microservices, AWS (EC2, S3, VPC, Lambda, CloudWatch, ECS), IntelliJ IDEA, Docker, GIT, Maven, Kubernetes, Kafka, Splunk, Angular 15, Selenium, TDD, Scala, Kafka Kotlin, open stack, IAM, open system, cucumber, spark

**Wells Fargo February 2023 to December 2023**

**Role: Java Full Stack Developer**

**Location: Charlotte, NC**

**Responsibilities:**

* Developed microservices using Spring Boot with Java 11 and Kotlin, delivering scalable solutions on AWS and integrating Kafka for real-time data processing.
* Implemented batch jobs using Spring Batch with both annotation and XML-based configurations, optimizing data processing for various business processes.
* Built and maintained server-side applications with Node.js, crafting RESTful APIs using Express.js for seamless communication between frontend and backend systems.
* Leveraged Spring Data JPA to map Java objects to database tables, using annotations like @Entity, @Table, and @OneToMany to enhance data management in Oracle databases.
* Designed and developed robust RESTful APIs and services with Spring MVC and Spring REST, ensuring effective interaction between microservices and frontend systems.
* Configured CI/CD pipelines with Jenkins, integrating automated unit tests and code quality tools like SonarQube to maintain high-quality standards and streamline deployments.
* Wrote unit and integration tests with JUnit and Mockito, achieving over 85% branch coverage to ensure code reliability and reduce production defects.
* Implemented robust web services using Java API for RESTful Web Services, enhancing web application architecture for scalability and performance.
* Developed responsive client-side features with HTML5, CSS3, and Bootstrap, creating visually appealing and scalable user interfaces.
* Managed application state and developed frontend functionalities using Angular 8, integrating with backend services through RESTful APIs to provide seamless user experiences.
* Practiced Test-Driven Development (TDD) with Cucumber for Acceptance Testing, automating test execution to validate functionality and support continuous delivery.
* Configured and administered Tomcat for efficient application deployment, ensuring high availability and optimal performance across multiple environments.
* Utilized Log4j for detailed logging and monitoring, facilitating effective issue resolution and providing insights into system performance.
* Developed XML-based configurations and used XSD for schema definition, supporting structured data processing and validation in complex systems.
* Used GitHub for version control and collaboration, effectively managing source code changes and ensuring smooth integration across development teams.
* Managed AWS services for cloud infrastructure, including EC2, S3, and CloudWatch, enhancing scalability, storage, and monitoring capabilities.
* Leveraged ActiveMQ for message brokering, ensuring reliable communication between distributed systems in a microservices architecture.
* Utilized Eclipse IDE for development, debugging, and code management, ensuring an efficient and productive development environment.
* Orchestrated containerized applications using Docker and OpenStack, automating deployments and managing cloud infrastructure for high availability.
* Enhanced security by managing AWS IAM roles and policies, ensuring secure access control and compliance with industry standards.
* Managed container orchestration with Kubernetes, ensuring efficient scaling, deployment, and management of microservices across a distributed environment.

**Environment**: Java 8/11, Spring framework, Spring Boot, Spring Security, JWT, OAuth, Spring Batch, Node.js, Typescript, JSP, Servlets, XML, Log4j, Eclipse, HTML, CSS, Web Services (SOAP and WSDL), HTML5, CSS3, Bootstrap, Eclipse, Jenkins, GitHub, Tomcat Oracle, SOAP and Restful, XML, XSD, TDD, MongoDB, UNIX, Windows XP, AWS Services, Jenkins, Active MQ, Kotlin, Cucumber, Kafka, Kibana, AWS IAM, Open Stack, Scala.

**Neobric IT Solutions Pvt Ltd, Hyderabad, India. June 2021 to December 2022**

**Role: Java Developer**

**Responsibilities:**

* Developed and optimized enterprise Java applications utilizing Java 8, focusing on performance, scalability, and maintainability.
* Designed and implemented RESTful and SOAP web services to enable seamless integration and data exchange between disparate systems.
* Architected and deployed microservices using Spring Boot, streamlining application development and reducing deployment time.
* Created and managed complex database schemas and queries with PostgreSQL and Hibernate, improving data retrieval and transaction efficiency.
* Built and maintained server-side components using Java Server Pages (JSP), Servlets, and JavaBeans, ensuring robust and secure backend functionality.
* Configured and administered Tomcat 8.x for effective application deployment, ensuring high availability and performance in production environments.
* Developed responsive user interfaces with HTML, CSS, and Bootstrap, enhancing the usability and aesthetics of web applications.
* Implemented dynamic front-end features using JavaScript and jQuery, resulting in improved user interaction and engagement.
* Leveraged AWS services (EC2, S3, CloudWatch, ECS) to deploy and manage cloud infrastructure, optimizing scalability and operational monitoring.
* Utilized Maven for build automation and dependency management, ensuring a consistent and efficient build process across various environments.
* Employed Log4j for detailed logging and monitoring, facilitating effective issue diagnosis and resolution in production systems.
* Adhered to Agile methodologies and participated in Scrum ceremonies, including sprint planning and retrospectives, to drive project delivery and team collaboration.
* Collaborated with cross-functional teams to gather and analyse requirements, delivering solutions aligned with business objectives and technical specifications.
* Implemented Java Persistence API (JPA) with Spring Data JPA to streamline data access and management, enhancing data integrity and reducing development overhead.
* Conducted rigorous code reviews and provided constructive feedback, contributing to high code quality and adherence to best practices.
* Managed source code versions and collaboration using Git, ensuring efficient tracking of changes and smooth coordination within development teams.
* Performed unit and integration testing with JUnit and Mockito, validating code functionality and ensuring reliability before production release.
* Monitored application performance and logs using Splunk and CloudWatch, proactively identifying and addressing potential issues to maintain system stability.
* Developed and maintained application documentation and technical specifications to support future development and facilitate knowledge transfer.
* Optimized existing code and refactored legacy systems to improve performance, reduce technical debt, and enhance maintainability.

**Environment**: Java 8, Spring Boot, Tomcat 8.x Series, Java Web Services (REST, JAX-WS), Bootstrap, Node.js, Spring Data JPA, jQuery, AWS (EC2, S3, CloudWatch, ECS), PostgreSQL, Hibernate, Maven, Log4j, My Eclipse, Splunk, CSS, JavaScript, HTML, JavaBeans, XML.

**Value Labs, Hyderabad, India. Mar 2019 to May 2021**

**Role: Java Intern/Trainee**

**Responsibilities:**

* Design & Development activities using Angular JS, JAVA/J2EE frameworks.
* Utilized Value Object for smooth String comparison and Core Java API’s for data manipulation.
* Designed dynamic and multi-browser compatible pages using HTML, CSS, and JSP.
* Developed Frontend UI using Angular JS Components.
* Tracked defects through HP ALM, ensuring timely resolution.
* Leveraged AJAX and JSON for asynchronous calls to fetch data from the project server.
* Supported front-end design, integration and deployment with a focus on simplicity, reliability, and scalability.
* Adhered to software coding best practices and style guides.
* Conducted code reviews, unit tests, deployments, and ensured version control.
* Ensured cross-platform optimization and responsiveness for mobile phones.
* Developed, reviewed, and updated process and reference documentation.
* Identified problems and communicated solutions effectively to peers and management.

**Environment**: Java 8, Tomcat 8.x Series, Java Web Services (REST, JAX-WS), Angular Js, CSS, JavaScript, HTML, JavaBeans, XML.