**Prudhvi T**

**Role: Java Full Stack Developer**

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**PROFESSIONAL SUMMARY:**

* **8+ years** of experience across various technical phases of the **Software Development Life Cycle (SDLC)**, including **Requirement Analysis, Design, Implementation, and Testing** for both web-based and enterprise applications, focusing on **Object-Oriented, Java/J2EE**, and **Client-Server technologies**.
* Proficient in developing **J2EE enterprise applications** within both **Service-Oriented Architecture (SOA)** and **Microservice Architecture**.
* Hands-on experience in utilizing **Java 1.8** features such as **streams, Lambda expressions,** and **functional interfaces** to enhance application performance.
* Strong expertise in backend/server-side technologies like **Web Services, Java Persistence API (JPA), Java Messaging Service (JMS), Java Database Connectivity (JDBC),** and **Java Naming and Directory Interface (JNDI)**.
* Proficient in front-end **UI technologies** including **HTML5, CSS3, jQuery, JSON, AJAX, AngularJS, NodeJS, Bootstrap**, and **JSTL**.
* Developed robust and scalable **Web Services** and **APIs** based on **REST** and **SOAP** using technologies like **AXIS, WSDL, UDDI, XML, JAX-WS, JAX-RS, JAXB, JAX-RPC,** and **Jersey**.
* Extensive experience with **Spring Framework** modules including **Spring IOC, Spring AOP, Spring MVC, Spring Security, Spring Boot, Spring Batch,** and **Spring Data** for building web applications.
* Skilled in **Cloud Computing** environments such as **Pivotal Cloud Foundry** and **Amazon Web Services (AWS)**, along with experience in **Docker Containers** for application deployment.
* Adept at managing **AWS cloud resources**, including **EC2 instances, S3 buckets, Auto Scaling, DynamoDB, IAM, Elastic Load Balancers (ELB),** and **Relational Database Services (RDS)**.
* Expertise in **Hibernate ORM** for data modeling and leveraging **Hibernate Annotations** to streamline configuration processes.
* Experienced in **JMS** for asynchronous and reliable messaging within enterprise applications, using tools like **ActiveMQ** and **RabbitMQ**.
* **Proficient in deploying containerized applications** using **Kubernetes** for automated scaling and management, ensuring seamless operation of distributed systems.
* **Experience in designing and developing NoSQL databases** with **MongoDB**, optimizing data storage and retrieval processes to handle large volumes of unstructured data efficiently.
* Proficient with **build automation tools** such as **Gradle, Maven,** and **Ant** for efficient builds and deployments.
* Good experience with **configuration management tools** like **Ansible** and **Packer**, and in automating cloud deployments using **Terraform**.
* Familiar with various design patterns including **Singleton, Factory, Prototype, Business Delegate, Session Facade, Service Locator, Visitor, Observer, Decorator, Front Controller, DAO,** and **MVC**.
* In-depth understanding of **databases** such as **Oracle, MySQL, SQL Server, NoSQL, MongoDB,** and **IBM DB2**, including expertise in managing **tables, views, indexes, sequences, stored procedures, functions, triggers,** and **packages**.
* Extensive knowledge of **XML technologies** such as **XSL, XSLT, XML Schemas, XPath, XForms, XSL-FO** and parsers like **SAX** and **DOM**.
* Experience in various **IDEs** including **Eclipse, RAD, Spring Tool Suite, IntelliJ,** and deployment on **Application Servers** such as **Apache Tomcat, BEA WebLogic, WebSphere, Glassfish, Camel,** and **JBOSS**.
* Proficient in **UNIX/LINUX Shell Scripting** for deployment and operations in server environments.
* Expertise in developing and testing using **JUnit, Mockito,** and **Log4j**, ensuring application functionality through well-defined test cases.
* Experienced in using version control systems like **GIT, Tortoise SVN,** and **Visual Source Safe**.
* Strong background in **Agile Methodology, Waterfall Methodology,** and **Test-Driven Development (TDD)** for application development.
* Excellent **communication and analytical skills** with the ability to multitask, work independently, or as part of a team.

**TECHNICAL SKILLS:**

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| **Category** | **Technologies** |
| Languages | C, C++, Java 1.8, J2EE, SQL, PL/SQL, Python |
| Enterprise Java | Java, J2EE, Swing, RMI, Sockets, JDBC, Servlets, JSP, JMS, Java Beans, JSTL, JSF, Struts, EJB, Spring, JTA, JNDI, JPA |
| Web/XML Technologies | HTML5, CSS3, JavaScript, JQuery, AngularJS, XML, XSD, XSL/XSLT, SAX/DOM, AJAX, JSON, Backbone JS, DOJO, NodeJS |
| Database | Oracle, SQL-Server, MySQL server, MS SQL, IBM DB2, MongoDB, NoSQL |
| Tools & Framework | Struts, Hibernate, Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, JMS, JSF, Log4J, SOA, Jasper reports, SOAP UI, Spring Boot, Spring Batch, Spring Security, Spring Data |
| Web Services | SOAP, RESTful, UDDI, WSDL, JAX-RPC, JAX-RS, JAX-WS, JAX-B, Apache Axis2, Apache CFX, JMS, MQ, AWS |
| Web/App Servers | Web Sphere, WebLogic, Apache, Tomcat, JBoss |
| Development Tools | Eclipse, RAD, Spring Tool Suite (STS), IntelliJ |
| O-R Mapping | Hibernate, JPA, JTA |
| Testing Tools/Others | JUnit, SoapUI, Putty, Rational ClearQuest, RTC, LoadUI, JIRA |
| Version Control | GIT, CVS, SVN, Rational Clear Case, Star Team |
| Platforms | Windows, Win 2k Server, Sun Solaris, UNIX |
| Cloud Technologies | AWS EC2, S3, DynamoDB, ELB |

**PROFESSIONAL EXPERIENCE:**

**Client: Amazon, Dallas, TX Dec 2023 - Till Now**

**Role: Full Stack Java Developer**

**Responsibilities:**

* **Participated actively** in various phases of the Software Development Life Cycle (SDLC), including requirements gathering, modeling, analysis, design, development, and testing.
* Employed **TestNG** and **Power Mock** to test methods, configured multiple inputs, and utilized **JUnit** for testing across various channels. Automated tests using **Selenium**.
* Deployed **Spring Boot** based microservices in **Docker** containers using **Amazon EC2** container services and managed deployments through the **AWS Admin Console**.
* Implemented business logic and managed transactions using the **Spring Framework**.
* Developed the application using several **Spring Framework** modules, including **Spring IOC**, **Spring AOP**, **Spring Boot**, **Spring Security**, and **Spring Batch**.
* Created database objects such as tables, views, materialized views, procedures, and packages using Oracle tools like **Toad**, **PL/SQL Developer**, and **SQL\*Plus**.
* Applied **JavaScript**, **CSS**, and **HTML** for front-end styling and displayed various snapshot reports of **JUnit** results.
* Utilized **Jenkins** for continuous integration, implementing various pipeline concepts.
* Used **Java 1.8** features such as **Lambda expressions** and **Streams** for internal iteration and performing chain operations like **Filter**, **Map**, and **Collect** on collection objects.
* Employed **Hibernate** as the persistence layer with **SQL Server Database**, providing persistence services and mapping data to persistent objects. Utilized **HQL** and **SQL** for querying and integrated **Spring** with **Hibernate**.
* Utilized **BASH** scripting in **Linux** environments to test functionality.
* Implemented **Spring Security** for authentication and authorization within the application.
* Designed and developed system workflows using design patterns like **Singleton**, **Spring MVC**, **Hibernate**, **Factory Pattern**, and **DAO**.
* Wrote **SQL Queries** for interacting with the **SQL Server Database**.
* Used **CHEF** for managing **Oracle VirtualBox** environments, handling JVM bounces and machine size configurations.
* Developed **RESTful web services** using **Jersey** for **JAX-RS** implementation.
* Managed project builds and installations with **Maven**.
* Conducted unit testing of **Java** classes using **JUnit**, **Mockito**, and **JAssert** frameworks.
* Actively tracked and resolved production issues.
* Utilized **JIRA** for issue tracking.
* Gained hands-on experience with build tools such as **ANT**, **Maven**, and **Gradle**.
* Managed source control and versioning of code and resources using **GIT**.
* Engaged extensively in code reviews, unit testing, and process improvements.
* Participated in daily **SCRUM** meetings and weekly **SPRINT** meetings.
* Coordinated with product managers to refine user stories and collaborated with the testing team to validate functional specifications and test cases.

**Environment**: Java 1.8, HTML5, CSS3, jQuery, Ajax, AngularJS, NodeJS, JSP, Hibernate, Spring, Spring Batch, Spring Boot, Spring Security, Spring MVC, Maven, WebSphere, JavaScript, Agile Methodology, Restful, Log4J, AWS, Micro Services**,** Automation Testing, JIRA, JUnit, GIT, Jenkins and STS.

**Client: Kroger,** **St. Cincinnati, OH Sep 2021 – Nov 2023**

**Role: Full Stack Java Developer**

**Responsibilities:**

* **Played an active role in Analysis**, **Design**, **Development**, **System Testing**, and **User Acceptance Testing**. Effectively followed sprint planning and estimation for user stories in an **Agile Environment**.
* Successfully participated in **System Testing**, **Integration Testing**, and **Production Testing** on **WebLogic Server**. Collaborated with State counterparts to track production incidents, identify and prioritize bugs and enhancements, and plan releases.
* **Spring Boot microservices** were deployed using a microservice architecture with **RESTFUL** services and **Apache Kafka**. For the first time in the Client’s email applications, employed fail-safe and circuit breaker patterns using **Hystrix** and **Hystrix Dashboard** in **Spring Boot Microservice Applications**.
* **Swagger UI** was used to interact with the **APIs**, and **Swagger** was employed for designing and documenting APIs. The application was developed using **Java 8** and incorporated features like lambda expressions, Time API, Streams, functional interfaces, and more.
* Migration of existing applications to **AWS cloud** was completed, utilizing services like **EC2**, **S3**, **RDS**, **CloudWatch**, and **CloudFront**. Applications were deployed using **Docker containers** as part of a scaling strategy with **Microservices** to increase isolation, involving image creation, pushing, and pulling.
* Developed **Python-based APIs** (RESTful Web Service) to track events. Extensively used **Spring Framework** modules such as **Spring MVC**, **Dependency Injection (IOC)**, **Auto Wiring**, and **Spring AOP**.
* Migrated **AngularJS** to **Angular 4/6** and redesigned web pages to improve performance. Additionally, designed and developed enterprise-level **Angular 4/6** component libraries like data-tables, auto-suggestion, and pagination.
* Used **GIT** for version control, **Maven** for build scripts, and configured **log4j** for logging. Also, implemented **JUnit** tests in **Eclipse**, developed unit test cases, and utilized **Curl** for testing.
* Automated SAP application deployments using **Ansible** and **Terraform**. Service accounts were created using **Terraform** with respective roles to manage services deployed in the **GCP TechStack**.
* **Karma** was utilized for unit testing **Angular API** modules. **JIRA** was used for project management, issue tracking, and monitoring errors, which were then fixed.
* Employed **Drools Decision Table** using Excel sheets within a **Spring MVC** project. **Spring Tool Suite (STS)**, based on **Eclipse**, was used to develop and debug application code.
* Created **REST-based Web Services** with **Spring HATEOAS** links. **Hibernate** configuration files were set up to persist data to the **MongoDB** database.
* **Docker** containers were utilized for deploying applications, and **Microservices** were deployed as **RESTful Java Web Services** on **Amazon Elastic Beanstalk**.
* Involved in developing **Java 8** applications, leveraging features such as lambdas, streams, and functional interfaces. A **multithreaded environment** was used to run processes asynchronously with different future calls for data access.

**Environment**: Java 1.8, J2EE, HTML5, CSS3, jQuery, Ajax, Rest API, Bootstrap, JavaScript, Angular 4/6, Spring, Spring Boot, Spring MVC, Hibernate, Rest, Maven, JUnit, Hystrix Dashboard, AWS, Netflix Ribbon, Spring Kafka, MAVEN, Junit, Jenkins, Agile Methodology, Eclipse, Curl, GIT, MongoDB, Log4j, PL/SQL, STS, Docker, Hateoas, WebLogic Application Server, Karma.

**Client:** **Merck Pharmaceutical Company, Dallas, TX Oct 2019 – Aug 2021**

**Role: Full Stack Java Developer**

**Responsibilities:**

* Participated in various stages of the **Software Development Life Cycle (SDLC)** for application development.
* Created applications using **Angular 11**, **Java 8**, and incorporated new features of Java such as **lambda expressions**.
* Developed user interfaces with **HTML5**, **CSS3**, **SASS**, **JavaScript**, **jQuery**, and **AJAX**.
* Designed and built applications using **Angular 11**, **HTML5**, **CSS3**, and **TypeScript**.
* Developed UI components utilizing **Angular 11**'s dependency injection, models, data binding, and controllers.
* Implemented **Angular 11 Router** to enable seamless navigation between views.
* Used **Protractor** for end-to-end testing of single-page applications developed with **Angular 11**.
* Developed applications to handle **JSON** and **XML** from RESTful web services using **Angular 11**.
* Gained experience with **Responsive Web Design**, **Bootstrap**, and **Plygrid** framework.
* Created various **JavaScript** and **Angular** functions for client-side validations.
* Developed thread-safe blocks for multithreaded access and managed distributed transactions.
* Designed and injected **Spring** services, controllers, and DAOs for dependency injection.
* Extensively used **Spring** features like inheritance, auto-wiring, core container, security, **AOP**, and **Spring Quartz** for task scheduling and report generation.
* Created the persistence layer using **Spring Data** for database interactions.
* Developed **Spring** RESTful services and microservices, incorporating **Spring Eureka**, **Netflix**, and **Ribbon** for service discovery with **Apache Axis**.
* Implemented **Spring MVC** flow to integrate various modules, using **Spring AOP** and dependency injection throughout the project.
* Built microservices with **Spring Eureka** to manage API routes and enable load balancing and API gateway exposure.
* Employed a microservice architecture with **Spring Boot**, using **REST** and **Apache Kafka** for message brokering.
* Applied **Spring Circuit Breaker** pattern and integrated **Hystrix Dashboard** for monitoring microservices.
* Implemented authentication and authorization using **SiteMinder** and **Spring Security**.
* Developed **RESTful web services** with **JAX-RS** annotations, **Jersey** as the provider, and consumed them via **HTTP** services from **Angular 11** modules.
* Wrote entities in **Java** and **Play Framework** with named queries for database interactions.
* Updated and modified queries in **Oracle 11g**.
* Created and executed **MongoDB** scripts for inserting and updating NoSQL data and reporting.
* Ensured code quality by adhering to **Scala** coding standards and best practices.
* Worked with **Kafka Cluster** using **Zookeeper** and developed applications with **JBoss Drools 4.x** for business rule validations.
* Developed a data transformer to convert legacy data to **Avro** format and feed it into **Kafka** using **Camel**.
* Created custom **Docker** container images, managed them with **Docker Consoles**, and integrated them with **Spring Boot**.
* Performed **Smoke Testing** and **Acceptance Testing** with **Selenium** across various Java platforms.
* Collaborated with the automation team to review **Selenium** scripts, run tests, and analyze results.
* Utilized **Maven** and **Jenkins** for automating the build and deployment process, with **Git** for version control and project management.

**Environment:** Java 8, Spring MVC, Spring Boot, Angular 11, HTML5, CSS3, JSON, JavaScript, Spring Data, Protractor, MongoDB, Oracle 11g, IntelliJ IDEA, JUnit 4.4, Mockito, Git, Selenium, Scala, Spark, Drools, Spring Cloud, RESTful web services, Apache Tomcat, Apache Kafka, Camel, Maven, Jenkins, Karma, Jasmine.

**Client:** **iBeris Software Solutions, Chennai, India April 2018 – July 2019**

**Role: Java Developer**

**Responsibilities:**

* **Participated** in the analysis, specification, design, implementation, and testing phases of the Software Development Life Cycle (SDLC) using **Agile methodology** (SCRUM) for application development.
* Developed interactive user interfaces utilizing **HTML5**, **CSS3**, **JavaScript**, **Bootstrap**, and **Ajax**.
* Created forms for user event handling and validation with **JavaScript** and **AJAX**.
* Designed and developed a custom, single-page responsive web application on the frontend using **AngularJS**.
* Leveraged **ReactJS** to build views that connect models to the DOM and synchronize data with the server as a **Single Page Application (SPA)**.
* Employed **NodeJS** for constructing web applications with a client-server architecture, enabling bidirectional communication and data exchange.
* Utilized **Java 1.8** features such as parallel streams and filters through **Lambda expressions** to manage search operations.
* Designed, built, and deployed various applications using a broad array of **AWS** services, including **EC2**, **Route 53**, **S3**, **RDS**, **DynamoDB**, **SQS**, **IAM**, and **EMR**, focusing on high availability, fault tolerance, and auto-scaling.
* Created **AWS S3** buckets to store project artifacts.
* Integrated **OpenStack API** with **Amazon EC2** within an **AWS** cloud-based architecture.
* Developed **RESTful Services** with **JAX-RS** using **Spring Boot** and **Microservice Architecture**.
* Created and maintained numerous microservice functions in both the cloud-service layer and the web layer.
* Implemented and developed applications using **Spring** (**IOC**, **MVC**, **Security**, **Boot**, and **Batch**), **Hibernate**, and **REST** and **SOAP** based web services.
* Utilized **Spring IOC** for dependency injection and integrated it with **Hibernate** for interacting with the **Oracle**database.
* Applied **Spring MVC** framework to implement the **Model-View-Controller (MVC)** architecture at the web tier, reducing integration complexity and easing maintenance.
* Employed **Spring AOP** to address crosscutting concerns such as logging and transaction management.
* Used **Spring Batch** for processing large volumes of data, including transaction management, job processing, resource management, and logging.
* Implemented the persistence layer with **Hibernate** for batch processing and data storage.
* Managed authentication, authorization, and access control with **Spring Security** and **OAuth2**.
* Developed microservices architecture with **Spring Boot** based **RESTful services** and consumed **SOAP** based web services.
* Deployed applications using **Docker** containers to package applications with all configurations.
* Wrote **SQL Queries** and **stored procedures** to interact with **Oracle**.
* Developed applications and automated scripts using **MongoDB**.
* Created **JUnit** test cases for unit testing the integration layer.
* Used **Maven** as a build automation tool for deploying projects on **WebSphere Application Server** and **Jenkins** for continuous integration. Utilized **JIRA** for issue tracking.
* Developed an **AWS Lambda** function and **RDS** function to handle requests through **API Gateway** using **Apache HttpClient**.
* Managed version control with **GIT** and used **Spring Tool Suite (STS)** as the IDE for application development.

**Environment:** Agile Methodology, Java 1.8, J2EE, HTML5, CSS3, JavaScript, JQuery, AngularJS, Bootstrap, ReactJS, Spring MVC, Spring IOC, Spring Boot, Spring Security, OAuth2, Spring AOP, Spring Batch, REST, SOAP, Hibernate, micro service Architecture, Docker, AWS EC2, S3, RDS, MongoDB, Web Sphere, Oracle, JUnit, Maven, Jenkins, JIRA, GIT, STS, Linux.

**Client:** **AYN InfoTech, Chennai, India May 2016 – March 2018**

**Role: Java Developer**

**Responsibilities:**

* **Participated** in all stages of the Software Development Life Cycle (SDLC) utilizing **Agile Methodology**.
* Developed the presentation layer using **HTML5**, **CSS3**, **Bootstrap**, **JSF**, **JQuery**, and **AngularJS**.
* Designed and created a template-based user interface with **Bootstrap** and **AngularJS**.
* Managed client-side validations, slide shows, hide and show controls, dropdown menus, and tab navigation using **JQuery**.
* Designed and developed applications with **Spring Framework** modules such as **Spring IOC**, **Spring AOP**, and managed security

with **Spring Security OAuth**.

* Integrated **Spring MVC** for handling front-end requests and **Spring AOP** for logging purposes.
* Utilized **Spring IOC** for dependency injection and created controllers for processing HTTP requests and responses.
* Developed **REST** and **SOAP** based web services for data retrieval, ensuring independence from the current application.
* Implemented **RESTful web services** using **JAX-RS** and **Jersey** as providers.
* Applied **Service Oriented Architecture (SOA)** using **SOAP** based web services with **JAX-WS** and **WSDL**.
* Worked with **XML** and **JSON** for data transfer and retrieval between different applications.
* Utilized **JPA** (Java Persistence API) frameworks and APIs such as **JDO** and **Hibernate**.
* Developed the DAO layer of the application using **Spring Integration** and **Hibernate** template support.
* Used **JMS API** for communication between application components.
* Established connections to **Oracle** databases using **Spring Integration**, **Hibernate**, and created POJOs for mapping with database tables.
* Experienced in writing complex **PL/SQL** queries including joins, stored procedures, functions, triggers, cursors, and indexes in the Data Access Layer.
* Developed test cases for **Unit Testing** and **Integration Testing** with **JUnit**.
* Collaborated with testers and developers to prepare test plans, ensuring high-quality software applications.
* Used **JMS** for messaging between components and the MQ Series.
* Upgraded **AngularJS** from version 1.2 to 1.4 to design and develop a robust web application.
* Utilized **Log4j** for logging errors, messages, and performance logs.
* Employed **Maven** for build automation and managed deployments on **WebSphere Application Server**.
* Used **Jenkins** for continuous integration and **Spring Tool Suite (STS)** as the IDE for application development.

**Environment:** Java 1.7, J2EE, HTML5, CSS3, Bootstrap, JQuery, AngularJS, Spring IOC, Spring AOP, Spring MVC, Spring Security, Hibernate, JDBC, REST, SOAP, JAX-RS, JAX-WS, WSDL, Service Oriented Architecture, Oracle, SQL, PL/SQL, Unit Testing, JUnit, JSF, Log4j, Maven, Web Sphere Application Server, Jenkins and Spring Tool Suite (STS).