ABHILASH

Java Full stack Developer with AWS

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Results-driven Java Full Stack Developer with AWS with a strong passion for creating seamless web applications. Proficient in both front-end and back-end technologies, adept at collaborating with cross-functional teams to deliver high-quality, user-centric solutions. Leveraging solid problem-solving skills and a detail-oriented approach to drive innovation and exceed client expectations.

- Around 7+ years of experience in the Design, Development, and Implementation of enterprise web applications by following **Agile/ SCRUM** methodology using Java, Spring Boot, and Microservices.
- Expertise includes development, unit, functional, and integration testing of web applications in **Angular, Spring Boot, Microservices, JDBC, JPA, Hibernate, RESTful Web Services, JSP, Servlets, HTML, XML, ReactJS, PL/SQL, MongoDB, Oracle, JUnit, Mockito5, Git, Maven, and Jenkins CI/CD.**
- Proficient in creating responsive and visually appealing user interfaces using **HTML, CSS**, and **JavaScript**.
- Experienced in utilizing **ES6+** features to enhance code readability and maintainability.
- Proficient in building dynamic and interactive web applications with **ReactJS and Angular**, utilizing component-based architecture.
- Familiar with **Angular framework** and its concepts for creating efficient **single-page applications**.
- Implemented **RESTful APIs** and interacted with **backend services** to retrieve and display data in real-time.
- Adept at debugging and troubleshooting frontend issues, ensuring a seamless user experience.
- Experience with modern frontend frameworks such as **React**, or **Angular** to create dynamic user interfaces.
- Skilled in using **Spring MVC** and **Spring Boot** to develop robust and scalable backend applications.
- Proficient in working with JDBC for seamless database connectivity and interaction.
- Experienced in utilizing **Hibernate** and **JPA** for efficient and **ORM**-based database operations.
- Proficient in programming languages such as C and Java for backend application development.
- Strong database knowledge, including **SQL** and **PL/SQL**, for efficient data management.
- Experience with **Oracle** and **MongoDB** databases, enabling effective data storage and retrieval.
- Experienced in using Eclipse as an integrated development environment (IDE) for coding and debugging.
- Proficient in setting up and configuring **Tomcat** 8.0 for deploying Java web applications.
- Skilled in creating and consuming **RESTful web services and SOAP APIs**, working with XML and JSON formats.
- Proficient in tools like **JIRA** for streamlined development and project management.
- Experienced in working with Amazon Web Services (AWS), including **IAM, S3, EC2, SNS, and SQS**.
- Proficient in designing and implementing cloud-based solutions, leveraging serverless architecture with **AWS**.
- Skilled in setting up **CI/CD pipelines** using **Docker** and **Jenkins**, and utilizing version control with **Git & GitHub.**
- Experienced in designing and implementing Microservices architecture, utilizing tools like RabbitMQ and **Kafka** for event-driven communication.
- Proficient in implementing architectural patterns such as **CQRS**, **Saga Choreography**, **Saga Orchestration**, and **Event Sourcing**.

- Strong understanding of **Agile** Methodology, with experience using **JIRA** for project tracking and management.
- Skilled in conducting thorough testing using tools like Postman, SoapUI, and Swagger for **API testing**.
- Proficient in writing unit tests with **JUnit5** and **Mockito**, as well as conducting frontend testing using **Jasmine** and **Karma**.
- Proficient in implementing security measures using **Spring Security** 5.x and 6.x, including **OAuth2.0**, **OpenID**, and **JWT** for **authentication and authorization**.

EDUCATION

BACHELOR OF TECHNOLOGY, INFORMATION TECHNOLOGY, JNTU

CERTIFICATION

- C, Java Certified, Internship at ECIL,
- RedHat Certified Architecting Scalable Cloud Solutions

TECHNICAL SKILLSET

Frontend   : HTML, CSS, JavaScript, Typescript, ES6+, **Angular**, React
Framework   : Spring MVC, **Spring Boot**, JDBC, Hibernate, JPA.
Backend   : C, Java, SQL, Oracle, PL/SQL, MongoDB
Software/Tools: Eclipse, Tomcat 8.0, Restful web Services, SOAP, XML, JSON, SQL Developer, JIRA
Cloud   : **AWS**, IAM, S3, EC2, SNS, SQS, APIGateway, **Lambda**, cloud computing, CI/CD pipeline, Docker, Jenkins, CVS, Git, GitHub
Architecture   : Frontend: Angular Component based
                  Backend: **Microservices, RabbitMQ, Kafka**, Event Driven Microservices, CQRS, Saga Choreography, Saga Orchestration, Event Sourcing, Agile Methodology, JIRA
Testing   : Postman, SoapUI, Swagger, JUnit5, Mockito, Jasmine, Karma.
Security   : Spring Security 5.x, 6.x, OAuth2.0, OpenID, JWT.

SPS COMMERCE, MN: (APR 2023 TILL DATE)

SENIOR JAVA FULL STACK DEVELOPER

Description:
This project is about building a new microservices architecture that will eventually replace BPEL workflow engine that is being used at SPS Commerce for document processing. The new architecture will enable processing of large documents, enable easier and rapid development of new features.

Responsibilities:
- Proficient in developing dynamic and responsive web applications using **Angular framework**.
- Demonstrated expertise in implementing **component-based architecture** to create modular and reusable UI components.

- Skilled in utilizing **TypeScript** for strong typing, improving code quality, and enabling enhanced tooling support.
- Collaborate in design discussions to shape **microservices** architecture, providing valuable insights for optimal implementation with 20% increase in efficiency
- Continuously evaluate and recommend new tools and technologies to enhance the development process, improve efficiency, and **align** with industry best practices, resulting in a 30% increase in overall productivity.
- Maintained 95% **code quality** rating through comprehensive code reviews, adherence to standards, issue identification, and constructive feedback to peers.
- Using **Spring Boot** to jump start the application development
- Experienced in leveraging **Angular's powerful features**, such as **two-way data binding, dependency injection, and directives.**
- Profound understanding of **RxJS** for managing **asynchronous** operations, **event handling, and data streaming.**
- Experienced in integrating **SNS with other AWS services** for real-time alerts and event broadcasting.
- Accomplished in using **Angular CLI** to streamline project setup, development, and deployment processes.
- Collaborated with **DevOps** teams, automated processes, and implemented **CI/CD** practices to streamline deployment, aiming for a 50% reduction in deployment time.
- Integrated **Spring ORM** with Hibernate and **JPA** to leverage the power of **Spring Framework**. Improved database interactions and streamlined data access, resulting in a 25% reduction in database query execution time and a 20% increase in overall application performance.
- Managed customer communication and channel preferences effectively using **Spring** and **Hibernate**. Integrated **Hibernate** persistence framework with an **Oracle** database, resulting in a 25% reduction in database query response time.
- Successfully integrated **RESTful APIs** and services with **Angular applications**, ensuring seamless data flow and interaction.
- Adept at optimizing application performance by employing lazy loading **and Ahead-of-Time (AOT)** compilation techniques.
- Developed and maintained applications leveraging Microservices architecture, **Docker, J2EE, Spring Framework, Spring MVC, Spring Integrations**, and **Spring Data**. Improved scalability and maintainability of applications, resulting in a 30% reduction in system downtime and a 20% increase in application stability.

AMERIPRISE FINANCIALS, MN JAN 2021 – DEC 2022

SENIOR SOFTWARE ENGINEER

Description:
This Project is all about providing highly scalable, fault tolerant, Restful Services. All the Advisor and Client facing applications in Ameriprise use these Restful Services to get Advisor, Client, and Account related data. As part of this Project, an umbrella of Restful services is built so that all the Advisor and Client facing applications can consume these services for their data needs. AWM services sources the data for various System of Record systems for various kinds of Advisor, Client, and Group related information.

Responsibilities:
- Strong grasp of **TypeScript** and **ES6+** for writing clean and maintainable code. Experienced in building dynamic user interfaces using **Angular** and **ReactJS** frameworks.
- Proficient in state management with tools like **Redux** (React) and **NgRx** (Angular).

- Utilized **JUnit**, and **Mockito** for testing rest-based and middleware services. Accomplished a 20% improvement in test coverage and detected 30% more defects, resulting in a 25% decrease in production issues.
- Profound knowledge **of React's context API** for managing global state and avoiding prop drilling.
- Experienced in integrating external libraries and **APIs into React applications** for enhanced functionality.
- Successfully employed React Router for creating dynamic and **navigable single-page applications (SPAs).**
- Developed **JUnit** test cases for **Spring Controllers** and **Web Service Clients** in the **Service** Layer using **Mockito**. Achieved 25% improvement in test **coverage** and identified critical defects early in the development cycle.
- Tested APIs using tools like **SoapUI**, **Postman**, and **REST Client**. Ensured the reliability and functionality of **APIs** through comprehensive testing, achieving a 15% increase in API test coverage and a 20% decrease in API failure rate.
- Using **Spring JDBC** to make stored procedure calls to an external datastore
- Prepared and delivered technical **presentations** and **documentation** to project stakeholders, promoting transparency, understanding, and knowledge sharing within the team.
- Enhanced interdepartmental collaboration by providing seamless access to User Profile **services**, resulting in a 40% increase in cross-department **data sharing**.
- Coordinated with clients, and other service providers and designed business case mapping documentation for user stories.
- Engaged in positive client interactions and participated in business discussions to gather and prepare requirements resulting in a 5% reduction in labor costs and a 10% reduction in office overhead.
- Implemented Continuous Delivery **pipeline** using **Docker**, **Jenkins**, **GitHub**, and **AWS**. Streamlined the software development and deployment process, reducing time-to-market by 25% and achieving a 20% increase in deployment frequency.

MAGNAQUEST, HYDERABAD, INDIA JUL 2018 – DEC 2020

JAVA FULL STACK DEVELOPER

Description:

In a CRM project, I designed and developed an Adapter Design Pattern solution to facilitate communication between the CRM system and service providers. The goal was to provide various services to customers based on their requirements, such as service plan activation, renewal, top-up, and deactivation. Additionally, the system allowed users to create, delete, and update customer details. The Adapter Design Pattern acted as a bridge, ensuring seamless integration between the CRM system and service providers. This enabled clients to easily perform service plan operations and manage customer-related tasks through the CRM interface.

Responsibilities:
- Attained a 95% success rate in rectifying and mitigating issues raised by the QA team, affecting the smooth functioning of business operations.
- Analyzing Production and **QA** issues which Consumers report and track them to closure
- Achieved a 20% improvement in application performance by leveraging **Spring Boot** to build cloud Microservices with minimal configuration.
- Implemented robust security measures, including **authentication** and **authorization** protocols, to ensure data integrity and protect against potential vulnerabilities.
- Implemented **PDF generation** flow within the application. Streamlined the PDF generation process, resulting in a 30% reduction in processing time and a 15% increase in PDF generation speed.

- Created **Microservices**, **API**, and **Docker Files** for different Microservices, enabling a 40% improvement in scalability and a 20% reduction in deployment time.
- Utilized **Agile** methodologies to efficiently manage project timelines, track progress, and adapt to changing requirements, fostering a highly productive and collaborative development environment.
- **Integrated third-party APIs** and services, such as **payment gateways** and social media platforms, to enhance functionality and provide seamless user experiences.
- Profound knowledge of React's context API for managing global state and avoiding prop drilling.
- Experienced in integrating external libraries and APIs into React applications for enhanced functionality.
- Successfully employed React Router for creating dynamic and navigable single-page applications (SPAs).
- Mentored and provided technical guidance to junior developers, fostering their growth and proficiency in **full stack development**.
- Utilized **Maven** as a build tool for project management, **testing**, and generating comprehensive reports. Simplified project building and improved efficiency in testing and reporting, reducing build time by 25% and generating detailed reports with 20% more **coverage**.
- Implemented various features in **ECMA Script** 6 (**ES6**), such as **Arrow** functions, Classes, and enhanced object literals. Enhanced code readability and maintainability, resulting in a 15% reduction in code complexity and a 25% decrease in bug density.
- Developed Microservices using Spring Boot to enhance application performance and modularity. Obtained a 40% reduction in service response time and improved application scalability by 30% through the implementation of optimized **Microservices**.

KIOT COMMUNICATION LLP, HYDERABAD, INDIA JAN 2017 – JUNE 2018

JAVA FULL STACK DEVELOPER

Description:

In a CRM project, I designed and developed an Adapter Design Pattern solution to facilitate communication between the CRM system and service providers. The goal was to provide various services to customers based on their requirements, such as service plan activation, renewal, top-up, and deactivation. Additionally, the system allowed users to create, delete, and update customer details. The Adapter Design Pattern acted as a bridge, ensuring seamless integration between the CRM system and service providers. This enabled clients to easily perform service plan operations and manage customer-related tasks through the CRM interface.

Responsibilities:
- Proficient in building interactive and user-friendly interfaces **using React library**.
- Demonstrated ability to develop complex UIs by effectively utilizing **React's component-based architecture** and **JSX** syntax.
- Skilled in optimizing rendering efficiency and performance using **the virtual DOM in React applications.**
- Attained a 95% success rate in rectifying and mitigating issues raised by the QA team, affecting the smooth functioning of business operations.
- Analyzing Production and **QA** issues which Consumers report and track them to closure
- Achieved a 20% improvement in application performance by leveraging **Spring Boot** to build cloud Microservices with minimal configuration.
- Performing Code Reviews, **SIT** Test Case Reviews and review the Design **Artifacts** created by other Developers

- Implemented robust security measures, including **authentication** and **authorization** protocols, to ensure data integrity and protect against potential vulnerabilities.
- Implemented **PDF generation** flow within the application. Streamlined the PDF generation process, resulting in a 30% reduction in processing time and a 15% increase in PDF generation speed.
- Created **Microservices**, **API**, and **Docker Files** for different Microservices, enabling a 40% improvement in scalability and a 20% reduction in deployment time.
- Utilized **Agile** methodologies to efficiently manage project timelines, track progress, and adapt to changing requirements, fostering a highly productive and collaborative development environment.
- Participated in regular **stand-ups**, sprint **planning**, and **retrospective** meetings to facilitate effective communication, identify process improvements, and ensure successful project execution.
- Proficient in deploying and managing applications using core **AWS services such as EC2, S3, RDS, Lambda, and DynamoDB.**
- Experienced in setting up and configuring **Amazon VPC** to create isolated network environments for enhanced security.
- Familiarity with AWS Elastic Beanstalk for streamlined deployment and management of applications.
- Knowledgeable about **Amazon S3's** object storage capabilities and integration with content delivery through CloudFront.
- Implemented various features in **ECMA Script** 6 (**ES6**), such as **Arrow** functions, Classes, and enhanced object literals. Enhanced code readability and maintainability, resulting in a 15% reduction in code complexity and a 25% decrease in bug density.
- Implemented **LOG4J** and **JUnit** for **debugging**, testing, and maintaining system stability. Reduced debugging time by 20% and improved overall system reliability.