Gautham Pothana

+1 (513) 918-9550 | gauthampothana007@gmail.com | GitHub

PROFESSIONAL SUMMARY

Software Development Engineer with 4+ years of experience building scalable, cloud-native applications using Angular and Java Spring Boot microservices. Delivered robust RESTful APIs and CI/CD pipelines on AWS, ensuring secure, high-performing systems. Proven track record in Agile environments, emphasizing testability, automation, and end-to-end ownership. Brings strong expertise in microservices architecture, container orchestration, and modern development practices.

TECHNICAL SKILLS

- **Languages**: Java, Python, JavaScript, Typescript, Camunda
- **Java Technologies**: J2EE, Servlets, JSP, JavaBeans, Spring AOP, Spring IOC, Spring Batch, Spring Cloud, Spring Boot, Spring Security, Hibernate, JDBC
- **Web Technologies**: React.js, Redux, Angular, AngularJS, HTML5, CSS, XML, jQuery, JavaScript, Bootstrap, GraphQL, Relay, NodeJS, MERN
- **Big Data Technologies**: Apache Kafka, Elastic Search
- **Development Tools**: IntelliJ, Visual Studio Code, Spring Tool Suite (STS), Docker containers
- **Web/Application Servers**: Tomcat, WebLogic, IBM WebSphere, JBoss, Apache Camel, Web Socket API
- **Cloud Technologies**: Amazon Web Services (AWS)
- **Database**: SQL server, MySQL, PostGreSQL, RDBMS, MongoDB, Cassandra, RabbitMQ
- **Platforms**: Windows, Mac, LINUX
- **Testing Tools**: JUnit, Mockito, Jest, Jasmine, Karma, JMeter, Cucumber, Protractor, Selenium, Unit testing frameworks, End-to-end testing
- **Version Control**: GIT, BitBucket, GitHub, GitLab
- **Build Tools**: Gradle, Maven, Jenkins
- **Methodologies**: Agile, Waterfall, Scrum, JIRA
- **API & Microservices**: API services development, Microservices architecture
- **Core Competencies**: Full-stack Development, Cloud-native Development, RESTful APIs, CI/CD, Event-driven Systems, SonarQube

PROFESSIONAL EXPERIENCE

KPI Solutions   Dec 2023 - Present
Java Full Stack Developer   *Cincinnati, OH*

- Engineered multi-tier applications using Java 17, Servlets, J2EE, and Spring Boot to develop scalable backend architectures with cloud-native design principles.
- Developed scalable RESTful APIs and microservices with Spring Boot, integrating Spring IOC, AOP, and Spring Cloud to meet evolving business requirements.
- Automated Warehouse Execution System (WES) workflows using Camunda BPMN in Spring Boot applications, ensuring efficient and streamlined operations.
- Customized Spring Security authentication to validate user roles and secure sensitive endpoints, enhancing overall application reliability.
- Optimized asynchronous communication by integrating RabbitMQ and Spring AMQP, supporting scalable cloud-based messaging patterns.
- Configured and maintained a Zuul Proxy API gateway to secure and efficiently route microservices traffic in a distributed system.
- Constructed responsive single-page applications (SPAs) utilizing Angular, HTML5, and CSS3-SASS to deliver engaging front-end experiences.
- Implemented reusable front-end components with modern design best practices while adhering to state management principles.
- Leveraged NoSQL databases such as MongoDB and Cassandra alongside relational systems like Oracle and SQL Server to support diverse data storage needs.
- Integrated AWS Lambda functions for automated data uploads to S3 and deployed Spring Boot microservices using Docker containers and Amazon EC2, reinforcing cloud-native operations.
- Employed CI/CD pipelines with GitLab, building and managing Docker images to ensure continuous delivery in a dynamic development environment.
- Enforced comprehensive testing strategies by authoring unit tests in Jest, Jasmine, Karma, JUnit, and Mockito, ensuring software quality and robust performance.

FactSet   Jan 2020 - Jul 2022
Software Engineer I   *Hyderabad, India*

- Enhanced bulk data operations using Java 11 features, including Lambda expressions and Stream API, to boost application performance.
- Delivered multi-tier Java and J2EE backend solutions by developing core business logic and SQL procedures, ensuring robust data processing.
- Engineered RESTful microservices with Spring Boot and JAX-RS APIs, laying the foundation for scalable, secure API services.

- Developed user-facing web applications with HTML5, CSS3, Bootstrap, JavaScript, ReactJS, and jQuery, achieving an exceptional interactive experience.
- Created reusable React components with Redux to facilitate effective state management in an Agile development setting.
- Integrated Apache Kafka for reliable event-driven messaging and utilized MongoDB for efficient log storage within a resilient microservices architecture.
- Interfaced with external APIs, web services, AJAX, JSON, and XML to ensure seamless data exchanges and backend functionality.
- Managed database design, normalization, and PL/SQL programming across Oracle, MSSQL, and PostgreSQL to maintain data integrity and performance.
- Executed SQL scripts and resolved database issues, sustaining high system performance in enterprise-level applications.
- Developed extensive test cases using Mockito and JUnit to improve code coverage and reliability through automated testing practices.
- Monitored application performance and managed defects via JIRA, aligning with Agile methodologies in problem resolution.
- Designed and implemented scalable cloud architecture on AWS, leveraging EC2, S3, Elastic Beanstalk, and Lambda for cloud-native solutions.
- Maintained production environments by managing container deployments with Docker and orchestrating applications on Kubernetes clusters for effective scalability.

EDUCATION

University of Cincinnati
Master's, Computer Science
- **GPA:** 3.9/4
- **Achievements:** GPA-3.9/4