Poojitha Mahesh Shyla

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Java Backend Developer

Software Engineer with 4+ years of experience building secure, highly scalable systems using Java and Python. Proven in designing REST APIs, microservices, and automated CI/CD pipelines with tools like Jenkins and Maven. Demonstrates strong teamwork, collaborating with cross-functional teams to develop innovative solutions that enhance digital experiences and optimize performance.

Skills

- **Programming Languages**: Java, SQL, Python, PL/SQL, JavaScript, TypeScript, Golang
- **Web & API Technologies**: GraphQL, Angular6/7, Node JS, ReactJS, HTML5, CSS3, Spring Boot, Spring MVC, Hibernate, REST, Microservices
- **Databases**: MySQL, SQL, MongoDB, Oracle
- **Frameworks & Tools**: Finacle, Tivoli, Angular, Node.js, React.js, Grafana
- **Banking & Customization**: Finacle Core Banking Customization, PL/SQL Scripting, Tivoli Batch Job Optimization
- **Operating Systems & Servers**: Unix, Linux, Windows, Apache Tomcat, Eclipse
- **Version Control & CI/CD**: Git, GitHub, SVN, Bitbucket, Jenkins
- **Computer Science Fundamentals**: Algorithm Design, Data Structures
- **Cloud & Container Technologies**: Kubernetes, Cloud Platforms

Work Experience

Walmart   **Apr 2025 - Present**
Java Backend developer   *Sunnyvale, CA*

- Designed and implemented GraphQL schemas, queries, and resolvers, utilizing secure coding practices and service-oriented architecture principles.
- Created and deployed new REST API endpoints in offsite services and BFF layers to support real-time data needs and enhance system scalability.
- Integrated BFF APIs into internal monitoring tools to ensure reliability in mission-critical distributed systems by leveraging REST and microservices concepts.
- Collaborated with internal cross-functional teams—including Product, UI/UX, DevOps, and offshore developers—to deliver features through agile sprints and continuous deployment.
- Developed and maintained backend services using Java, Spring Boot, and GraphQL, emphasizing object-oriented programming and scalable design.
- Ensured compliance with Walmart's engineering and data governance standards by implementing rigorous security measures and incorporating test-driven development practices.
- Monitored and optimized API performance with Grafana while streamlining continuous integration processes using CI/CD tools such as Jenkins.

Bridgetown Consulting Group   **Oct 2024 - Mar 2025**
Full Stack Java Developer

- Engineered responsive, user-friendly web interfaces using HTML, CSS, JavaScript, Angular, and React.js, contributing to scalable application features and improved user engagement.
- Collaborated with UX/UI designers and internal teams to integrate visual elements and responsive design principles for enhanced user interaction.
- Developed and maintained RESTful APIs with Java and Spring Boot, leveraging object-oriented programming for efficient data exchange within a component-oriented architecture.
- Implemented authentication and authorization mechanisms to secure API endpoints, ensuring the reliability and integrity of back-end services.
- Streamlined development processes by automating deployment pipelines using CI/CD tools such as Jenkins and GitLab CI to reinforce rigorous engineering practices.
- Integrated third-party APIs using Node.js and Spring Boot, optimizing data processing and supporting scalable backend operations within a microservices architecture.

DBS   **Mar 2020 - Aug 2022**
Software Engineer

- Developed and implemented cloud-based banking solutions using Java, Spring Boot, and AWS, applying object-oriented design patterns to ensure seamless integration and scalable backend functionality.
- Constructed and integrated RESTful APIs for frontend applications using Angular and React.js, enhancing system interoperability and aligning with robust software development processes including source control and bug tracking.
- Automated banking workflows to reduce manual efforts by 23%, leveraging process automation in critical operations such as Term Deposit interest calculations and journal auditing.

- Enhanced system security by employing JAAS-based authentication mechanisms and securing batch data flows, underscoring a commitment to design documentation and secure coding practices.
- Optimized database performance, reducing Tivoli Batch Job execution times by 30% and bolstering overall system efficiency while maintaining high levels of reliability.
- Streamlined CI/CD pipelines with Jenkins and embraced Agile methodologies (Scrum/Kanban) to improve build, testing, and deployment workflows, ensuring consistent and traceable software development practices.
- Implemented Docker containerization to support scalable microservices deployment, supporting a distributed backend system approach suited for high-volume data environments.
- Utilized Kafka-based messaging queues for asynchronous processing, enhancing system communication and candidate performance optimization in distributed systems.
- Customized Finacle Core banking modules to improve operational efficiency by 20%, applying component-oriented architecture principles to tailor product enhancements.
- Crafted dynamic, responsive user interfaces with React.js, Redux, JavaScript, and CSS, contributing to an enhanced customer experience and efficient content management.

Capgemini   **Jun 2019 - Mar 2020**
Software Intern
- Led integration testing efforts using tools such as Postman and JUnit to verify end-to-end functionality, ensuring robust communication between microservices in distributed systems.
- Architected and implemented a microservices-based e-commerce platform with Spring Boot, enhancing system scalability by 24% and supporting isolated, independently deployable components.
- Integrated the Stripe payment gateway for secure online transactions, supporting over 100 transactions daily and reinforcing reliable content delivery processes.
- Established centralized logging with Log4j to improve error tracking and troubleshooting across microservices, reducing debugging time and supporting systematic, data-driven problem solving.

Education

Campbellsville University   **Jan 2023 - Aug 2024**
Master of Science, Computer Science
- **GPA:** 4.0
- **Coursework:** Advanced Programming Languages, Advanced Database, Advanced Operating Systems, Artificial Intelligence, Cyber-law, Regulations, & Compliance, Software Engineering

Projects

Flight Management System (Mini-Project)
- Built a flight booking system to manage flight schedules, bookings, and cancellations.
- Developed the frontend using Angular 6, ensuring a responsive and user-friendly interface.
- Implemented the backend with Spring Boot, enabling the system to handle large volumes of data efficiently.

Certification

- **Oracle Certified Associate:** Oracle Certified Associate, JAVA SE8 Programmer