SAI GANESH TIRUMALASETTY

Email: [saiganeshtirumalasetty@gmail.com] | **Phone:** [470-530-5382] | **LinkedIn:** [LinkedIn](#) | Portfolio: [[View Online]](#)

PROFESSIONAL SUMMARY

- 6+ years of experience in designing and developing scalable enterprise applications using Java, Spring Boot, and Microservices.
- Proficient in building RESTful APIs and integrating backends with React and Angular front-end frameworks.
- Hands-on experience with Agile/Scrum methodologies, including sprint planning and iterative delivery.
- Built secure, high-volume systems using Spring Security and OAuth2 for authentication and session management.
- Developed efficient backend components using Spring Boot, Hibernate, and JPA to enhance performance.
- Skilled in MySQL, PostgreSQL, MongoDB, and Redis for handling relational and NoSQL databases.
- Implemented CI/CD pipelines with Jenkins, GitHub Actions, and Docker for automated deployment.
- Led AWS cloud migration projects using EC2, S3, Lambda, and RDS for scalable infrastructure.
- Created reliable unit and integration tests using JUnit and Mockito.
- Integrated Kafka and RabbitMQ for real-time streaming and asynchronous processing.
- Used Swagger/OpenAPI for well-documented, consumer-friendly APIs.
- Integrated third-party APIs for secure payment processing and user authentication.
- Deployed applications via Kubernetes and Docker with zero-downtime updates.
- Monitored application health with ELK Stack and set up performance alerts.
- Applied SOLID principles and design patterns; actively contributed to code reviews and documentation.

TECHNICAL SKILLS

- **Languages:** Java, JavaScript, SQL, HTML, XML, JSON, Python, C, C#, Scala
- **Frameworks:** Spring Boot, Spring MVC, Hibernate, JPA, Spring Security, Spring Batch,Node.js, React.js, Data Structures, Next.js , Quarkus.
- **Web Technologies:** JSP, Servlets, Thymeleaf, Bootstrap
- **API & Integration:** RESTful APIs, SOAP, Swagger/OpenAPI, FeignClient, Postman, Kafka, GraphQL
- **Databases:** MySQL, Oracle, PostgreSQL, MongoDB, Redis
- **Tools & Platforms:** Git, GitHub, Bitbucket, Jenkins, Maven, Gradle, Jira, Confluence, Protopie
- **Testing:** JUnit 4/5, Mockito, TestNG
- **Messaging & Streaming:** Kafka, RabbitMQ, ActiveMQ
- **Cloud & DevOps:** AWS (EC2, S3, RDS, Lambda), Docker, Kubernetes, GitHub Actions, Jenkins, AWS, Azure .
- **Monitoring & Logging:** ELK Stack, Prometheus, Grafana, Splunk, Dynatrace
- **Build & Deployment:** CI/CD, Terraform, GitLab CI, Blue-Green Deployment
- **SDLC Models:** Agile (Scrum), Waterfall

PROFESSIONAL SUMMARY

Pfizer,NYC,NY   Feb 2024 – Present

Senior Java Developer

- Developed Spring Boot microservices for managing drug supply chain data with RESTful APIs and fault-tolerant architecture.
- Integrated React front-end with secure JWT-based authentication using Spring Security.
- Built Kafka pipelines for real-time pharmaceutical order tracking and anomaly detection.
- Implemented Spring Batch workflows for nightly drug inventory processing and reporting.
- Integrated OAuth2 and SSO for secure, multi-environment authentication.
- Designed custom exception handling and API versioning for robust, backward-compatible services.
- Deployed microservices to AWS ECS Fargate with auto-scaling policies.
- Achieved 85%+ test coverage using JUnit5 and Mockito, reducing production issues.

- Used Oracle and MongoDB for hybrid data storage solutions.
- Documented APIs with Swagger/OpenAPI for seamless front-end integration.
- Managed Agile tasks with JIRA and enabled continuous delivery via GitHub Actions.
- Improved performance with Redis caching for frequent API calls.

Truist Financial,Marietta,GA   Dec 2020 – Aug 2023

Java Backend Developer

- Built loan approval systems using Java, Spring Boot, and MySQL with optimized query performance.
- Developed reusable data access layers using Spring Data JPA with support for pagination and complex queries.
- Integrated credit scoring APIs and handled validations asynchronously with ActiveMQ.
- Collaborated on banking portal features with real-time updates and responsive UI.
- Maintained Jenkins CI/CD pipelines for automated builds and regression testing.
- Designed custom logging utilities for transaction auditing and error tracking.
- Implemented role-based access control using Spring Security for multi-level user permissions.
- Automated recurring transactions using Quartz Scheduler for accurate EMI processing.
- Created REST APIs with Swagger for easy integration by internal and external teams.
- Optimized SQL performance and indexed critical tables for high concurrency.
- Deployed services on AWS EC2 and S3 with strong encryption and security policies.
- Built real-time dashboards using Thymeleaf for customer insights.
- Automated deployments using GitLab Runners and shell scripts across QA/UAT.
- Refactored monoliths into microservices for payments, KYC, and loan modules.
- Used Splunk for monitoring and alerting on service performance and uptime.

Costco, New jersey ,NJ   Jan 2019 – Dec 2020

Java Developer

- Developed and maintained an order management system using Java and Oracle, handling thousands of daily transactions.
- Built RESTful APIs with Spring Boot for order history, returns, and shipping updates.
- Integrated warehouse APIs for real-time inventory tracking and automated stock replenishment.
- Used Hibernate to manage complex entity relationships and simplify database operations.
- Deployed applications on Tomcat servers with consistent WAR file configurations.
- Designed responsive UIs with JSP and Bootstrap for cross-device shopping experiences.
- Implemented coupon and discount logic to support marketing campaigns.
- Created custom interceptors for detailed logging of order and payment flows.
- Managed Maven builds and resolved dependency versioning issues across modules.
- Handled order-related notifications via email and SMS using event-based triggers.
- Built dynamic filters and sorting for enhanced product listing interactions.
- Generated PDF invoices and sent them using JavaMail post-payment.
- Wrote unit tests with JUnit4 to ensure coverage of service and controller logic.
- Connected external services via RestTemplate and Feign clients.
- Monitored production issues using Dynatrace and supported data migration from legacy systems.

EDUCATION

Masters in Computer Science
Kennesaw State University , Marietta, Georgia
Year of Passing: 2024