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Rohith Lingala
Software Engineer

rohith.com
Github
LinkedIn

Experience

Graduate Assistant *January 2024 – May 2025*
University of Georgia *Athens, GA*

- Built and deployed the full stack eCinema Booking System using **Spring Boot, MySQL and React** handling secure seat selection, payments, and **JWT/OAuth2 based authentication** supporting 1000+ simulated transactions/day
- Spearheaded the development of a Digital Library platform with **Angular, Spring Boot and MySQL** implementing role-based access control, modular **Controller-Service-DAO architecture**, and improving user task efficiency by 30%.
- Created and documented **30+ RESTful APIs using Swagger**, integrated **JUnit and Mockito test suites** (90%+ coverage), and established **CI/CD pipelines with GitHub Actions and Jenkins**, reducing deployment time by 40%.
- Led code reviews and mentored 160+ students, delivering lectures on Spring Security, OAuth2, and API design principles which awarded **Outstanding Teaching Assistant** for excellence in technical guidance and teaching.

System Engineer *November 2021 – July 2023*
TCS Inc. *Hyderabad, TG*

- Developed and maintained 20+ RESTful microservices using **Java, Spring Boot, and Hibernate**, implementing OAuth2 based security and role-based access control, supporting high-throughput transactional systems.
- Designed and optimized backend data models across **Oracle and MongoDB, integrated Redis caching** to improve read performance by 40%, and used Spring Batch for processing large-scale, fault-tolerant data jobs.
- Built **CI/CD pipelines using Jenkins, Docker, and Kubernetes**, streamlining backend deployments and reducing release cycles by 50%, with automated test pipelines and environment provisioning.
- Integrated **Kafka-based event-driven architecture**, managed external API integrations, and achieved 90% unit/integration test coverage using **JUnit, Mockito and Postman** improving reliability and developer velocity.

Software Engineer Intern *July 2021 – November 2021*
Phenompeople *Hyderabad, TG*

- Forged **RESTful APIs employing Spring Boot**, which enabled real-time data streaming and boosted the efficiency of data analytics processes resulting in 15% faster report generation..
- **Integrated MongoDB with Spring Boot RESTful APIs** and leveraged **Elasticsearch for advanced querying on MongoDB data** enabling fast, full text search and boosting application completion rates by 30% through enhanced responsiveness.
- Configured **Jenkins jobs to automatically trigger Spinnaker pipelines**, resulting in a 50% reduction in deployment errors and enhanced release frequency, increasing the velocity of feature releases.
- Wrote and maintained unit and integration tests using **JUnit and Mockito**, expanding code coverage and contributing to a 35% drop in post-deployment bugs.

Education

Master of Science in Computer and Information Science *August 2023 – May 2025*
University of Georgia, Athens GA *CGPA: 3.94*
Notable Courses: Data Structures and Algorithms, Database Management Systems, Software Engineering, Computer Networks, Data Science II and Secure Programming

Skills

Programming Languages: Java, JavaScript, Python, C, C++, PHP, Rust, TypeScript, SQL, Shell Scripting, Go, SAP ABAP, Fiori
Databases: MySQL, PostgreSQL, MongoDB, Oracle SQL, Redis, Elasticsearch
Cloud and DevOps: AWS, Azure, Google Cloud Platform (GCP), Docker, Kubernetes, Git, GitHub Actions, Jenkins, CI/CD Pipelines, Terraform, Helm, Ansible, API Gateway
Web Technologies: HTML5, CSS3, JavaScript (ES6+), React.js, Angular, Vue.js, Node.js, Express.js, Spring Boot, Hibernate, REST APIs, GraphQL, Next.js, Tailwind CSS
Tools: Postman, Visual Studio Code, IntelliJ IDEA, JIRA, Jenkins, GitHub/GitLab, Figma, Swagger, Maven, Gradle, Spring Tool Suite, Chrome DevTools, Apache Kafka, SonarQube, Kibana, SAP
Industry Knowledge: Microservices Architecture, MVC Architecture, Serverless, Agile/Scrum, TDD (Test Driven Development), Design Patterns (Singleton, Factory, Observer, etc.), Responsive Design, Accessibility (WCAG), SEO Fundamentals, Data Lake

Certifications

AWS Certified Solutions Architect - Associate Level Validate
Microsoft Certified: Azure Fundamentals - Associate Level Validate

Achievements

Outstanding Teaching Assistant Award *April 2025*
University of Georgia *January 2024 – May 2025*