

SHIVARAPU RAHUL

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Gender: Male

Results-driven Back End Developer with 4 years of experience building scalable, cloud-native web applications using Java, Spring Boot, and microservices. Skilled in delivering secure, high-performance solutions across AWS/OCI with a strong focus on clean architecture and end-to-end development.

Technical Skills

Programming & Frameworks : *Java, Spring Boot, Microservices, RESTful Web Services, JPA, Hibernate, JUnit, Cucumber.*

Cloud Platforms : *OCI, AWS*

Databases : *MySQL, PostgreSQL*

API & Testing Tools : *Postman, Swagger, Apache Kafka, Prometheus, Grafana*

Build & Deployment : *Maven, Gradle, Jenkins, CI/CD Pipelines, Git, GitHub*

Containerization & Orchestration : *Docker, Kubernetes*

Code Quality & Monitoring : *SonarQube, Prometheus*

Methodologies: *Agile / Scrum*

Work Experience

Capgemini

Aug 2021 – Aug 2025

Software Engineer (Professional II)

Hyderabad, India

- Designed, developed and maintained scalable web application using java, spring boot and microservices.
- Deployed microservices across AWS enabling cloud-agnostic resilience and scalability.
- Implemented JWT-based authentication and role-based access controls across backend APIs, aligning with industry standard security protocols.
- Optimized complex SQL and NoSQL queries, improving data retrieval performance and reducing database load under high concurrency.
- Applied Test-Driven Development (TDD) and Behavior-Driven Development (BDD) principles using JUnit and Cucumber, increasing test coverage and reducing regression bugs.

Projects

Data Inventory system for Banking company (June 2024-Present)

key Tech: Gradle, React, AWS, JPA, Git, Jenkins, Kafka.

Designed and developed a full stack data inventory platform to manage critical banking assets including customer records, regulatory data, and risk units. Built secure and scalable microservices using Spring Boot and integrated them with AWS-hosted databases. Developed responsive UI components using React.js for viewing, filtering, and managing data assets. Implemented role-based access control, real-time validations, and API integrations to ensure smooth data flow, strong security, and compliance with governance standards. Optimized performance with efficient queries and Redis-based caching.

Open-Source Build Packages Compliance Engine (May 2023 –24)

Key Tech: GitHub, Docker, Python, SonarQube

Contributed to an open-source compliance system to build and validate multi-language software packages with policy enforcement. Implemented logic for detecting license, security, and versioning violations across Maven, Gradle, Python, and NPM ecosystems. Integrated SonarQube and CI/CD gates to block non-compliant builds and generate automated audit reports. Got opportunity to manage a team of four members.

Could native 5g core -SEPP module (October 2021 – May 2023)

key Tech: GitHub, PostgreSQL, OCI, Kubernetes, Kafka.

Developed microservices for SEPP (Security Edge Protection Proxy) within 5G Core network architecture. Focused on secure signaling, network slicing policies, and API-driven telecom orchestration. Deployed services in a containerized environment using Docker and Kubernetes with CI/CD pipelines on Azure cloud. Collaborated with network and DevOps teams to ensure high availability, compliance, and scalability of telecom-grade solutions.

Education

Lovely Professional University

Bachelor of Technology in Mechanical Engineering

Phagwara-Punjab

2014-2018