

FAHAD MOHAMMED

Java Backend Developer | Spring Boot | AWS | Microservices

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Education

Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad

2020 – 2024

Bachelor of Technology in Computer Science and Engineering

CGPA - 9.46

Experience

e2open software India Pvt. Ltd

September 2024 – Present

Associate Software Engineer

Hyderabad, Telangana

Document Merge Feature – PrintManager Service

- Developed document merge functionality in PrintManager using Apache PDFBox, allowing users to seamlessly view a single merged PDF instead of multiple files.
- Integrated PrintManager with DocServ service via **Inter-service communication** to fetch generated documents.

Metrics Service – Spring AOP

- Developed a custom `@TrackExecutionTime` annotation with Spring AOP, applied across **10+ services** to log and monitor execution time of critical methods.
- Packaged the Metrics Producer as a reusable dependency, enabling seamless adoption of execution-time monitoring across services.

Data Stream MasterData – EDG Service

- Implemented real-time tracking of master data changes (employees, users, business relations, invoices, etc.) within the **Logistic Service Provider (LSP) product**.
- Built a data streaming pipeline to transmit detected changes to the external Watermill service for further processing and integration.

Spring Boot 3.4 Upgrade – LSP Platform Services

- Migrated **3 core services** from **Spring Boot 2.7 to 3.4**, ensuring long-term support, stronger security compliance, and improved maintainability.
- Upgraded tech stack to **Java 17 Spring Security 6+**, resolving **100+** compatibility issues and modernizing services with Jakarta EE standards (`javax.*` → `jakarta.*`).

Projects

S3Drive – Secure File Management System | *Springboot, JWT, AWS S3, AWS RDS*

- Implemented JWT-based authentication and developed RESTful APIs for secure file management with AWS S3, enabling users to upload, download, and delete files stored in the cloud.
- Integrated AWS RDS to persist and manage file metadata, enabling reliable tracking and efficient retrieval.

Technical Skills

Programming & Core Java Backend / Frameworks

Core Java, Java 8, OOPs, Java Streams, Multithreading, Executors, JDBC
Spring Boot, Spring AOP, Spring Security (JWT), Spring Data JPA/Hibernate,
REST APIs, Microservices (basics), Inter-Service Communication

API Development & Tools Testing Frameworks

RESTful APIs, Postman, Swagger
JUnit, Mockito

Databases

MySQL, Oracle (SQL Developer)

Containerization

Docker

AWS Services

Hands-on experience with EC2, EBS, IAM, S3, RDS, DynamoDB, Custom VPCs,
Elastic Beanstalk, ELB, CloudWatch, Auto Scaling

Version Control

Git, GitHub, Bitbucket, JIRA, Confluence

IDE & Dev Tools

STS, IntelliJ IDEA, Maven, MobaXterm, GitHub Copilot, Debugging, Linux

Certifications

- AWS Academy Cloud Foundations, AWS Academy
- AWS Academy Cloud Architecting, AWS Academy