

PROFILE SUMMARY

As an experienced **Full Stack Developer** with over **4 years** in software engineering, I excel in crafting **scalable web applications** using **technologies** such as **Java, Spring Boot, Spring security, Microservices, SQL and React.js**. My expertise lies in transforming business needs into **high-quality solutions**, emphasizing clean and efficient code. Engaging in collaborative environments fuels my passion for adopting new technologies and driving successful project outcomes.

PROFESSIONAL EXPERIENCE

Senior Software Engineer | Exafluence

Bangalore, India | FEB 2022 – Present

- Developed and deployed scalable RESTful APIs and microservices using Spring Boot, integrating JWT-based security and WebSocket-based real-time messaging.
- Migrated large-scale relational data pipelines to MongoDB with optimized modeling, and integrated Kafka/Redis for asynchronous processing and offline handling.
- Built native executables with GraalVM, improving startup time and resource efficiency, and automated CI/CD pipelines via GitHub Actions for AWS/cloud deployments.
- Designed performant applications with Spring MVC, Hibernate/JPA, and design patterns, achieving 30% performance gains through optimized queries, caching, and refactoring.
- Implemented robust data parsers for PDF/DOCX/PPTX files, ensured 90%+ code coverage with JUnit/Mockito, and collaborated with cross-functional teams for faster, high-quality releases.

PROJECTS

ExfM2M – MongoDB Migration Project | Exafluence

Bangalore, India | June 2024 – Present

- Built scalable data migration pipelines from **Couchbase and SQL databases to MongoDB Atlas** using **Apache Spark** with minimal downtime.
- Developed **Spring Boot APIs** for transformation logic and validation workflows; designed dashboards in **React.js** for monitoring data integrity and exceptions.
- Tuned Spark performance, handled retries/fault tolerance, and coordinated deployments across Dev, Pre-Prod, and Production.
- Authored technical documentation and maintained effective communication with stakeholders.

ExfFHIR (FHIR Interoperability Platform) – Exafluence (Healthcare Domain)

Bangalore, India | March 2023–May 2024

- Developed **FHIR ingestion pipelines** using **Spark and Kafka**; mapped non-FHIR data to FHIR resources.
- Built **RESTful FHIR APIs** integrated with **MongoDB** for scalable health data exchange.
- Contributed to patient portal development, implementing authentication, authorization, and encryption.
- Participated in cross-functional sprint reviews, client demos, and documentation of APIs and deployment processes.

Onymos(DeepLink Integration Android component, Exafluence

Bangalore, India | Feb 2022 – Nov 2022

- Integrated and customized the **DeepLink component** for **React Native / hybrid stacks** (Firebase, Cordova).
- Implemented reliable deep link resolution for cold-start, backgrounded, and post-install scenarios.
- Mapped external URL schemas and universal/app links to internal screen routes consistently across iOS and Android.
- Addressed platform-specific quirks, improving navigation reliability and app responsiveness.
- Collaborated with frontend, backend, and product teams to design fallback flows, authentication gating, and deferred content loading.

TECHNICAL SKILLS

Languages & Frameworks: Java, Spring, Spring Boot, Spring Cloud, Spring Security, Python, React.js, Flask, JavaScript

Databases: MongoDB, MySQL, SQL

Tools & Platforms: Git, Docker, Kubernetes, AWS, Azure, VS Code, STS

Other: Microservices architecture, RESTful APIs, Full-stack application development, Database schema design

EDUCATION

Master Of Computer Applications
JNTU University Anantapur

2017-2020
8.0

CERTIFICATES

- https://certificates.simplicdn.net/share/thumb_6719105_1718098742.png
- <https://ti-user-certificates.s3.amazonaws.com/ae62dcd7-abdc-4e90-a570-83eccba49043/ef4a602d-1759-5b7e-be12-812543d831d4-margasai-karthik-2bec9e15-47bd-4b08-bbb9-cb83c6d76a89-certificate.pdf>