

AKSHAT

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EXPERIENCE

Software Engineer 2

Deloitte USI

June 2024 - Present

Hyderabad, Telengana

- Led end-to-end integration of two products onto a centralized Kafka infrastructure, owning event schema design, topic architecture, cluster deployment, error handling, and central storage.
- Built a Java data-migration library over Flyway featuring a fluent DSL, powering 100+ production migrations. Enabled use by non-developers, achieved zero migration errors and a 90% reduction in RFC turnaround time.
- Built a Java static-analysis engine from scratch that parses source into an AST to map dependencies, method-call graphs, and class hierarchies across large codebases — powering the product's business-rule extraction, metrics, and reachability features.
- Re-architected source-code language-identification subsystem into a pluggable, priority-ordered detector pipeline with an ML-based fallback, dramatically reducing manual re-classification effort for users and making it possible to extend support to new languages and file types.
- Served as interim team lead, collaborated with the product team on feature development, owned technical design for epics. Responsible for final reviews and code-quality standards. Worked on improved developer experience via process and build improvements.

Software Engineer 1

Deloitte USI

Sep 2022 - May 2024

Hyderabad, Telengana

- Designed and implemented Identity and Access Management (RBAC). Secured all endpoints via Keycloak and Spring Security.
- Drove the migration of a greenfield platform from a modular monolith to microservices, enabling independent deployments and parallel development as the project scaled to multiple teams during productization.
- Contributed to a greenfield IT-portfolio and cloud-transformation management product—developing RESTful APIs, JPA persistence layers, and interactive dashboards, plus integrations for email surveys, automated Jira ticket management, and cloud-provider sync.

Research Assistant

Vellore Institute of Technology

Sep 2020 - April 2022

Vellore, Tamil Nadu

- Published book chapter, Data Science in the Medical Field (pp.275-289). DOI: 10.1016/B978-0-443-24028-7.00019-2
- First author of a paper presented at the 2020 International Conference on Interdisciplinary Cyber Physical Systems, awarded Best Paper. DOI: 10.1109/ICPS51508.2020.00011

Software Engineering Intern

HCL

Nov 2020 - Dec 2020

Noida, Uttar Pradesh

- Worked on designing IoT systems in the HCL Cadre Program

SKILLS

Primary Stack

Java, Kotlin, Spring Boot, Microservices, Kafka, Redis, PostgreSQL, Keycloak

Other Skills

Maven, Gradle, GitLab CI/CD, JUnit

EDUCATION

Bachelor of Electronics and Communication Engineering, VIT University Vellore CGPA: 8.53/10 (2018–2022)