

Adithya Suresh

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Professional Summary

Software Engineer with **4+ years of professional experience** designing, developing, and supporting enterprise-grade software systems across backend, API, and platform layers. Proven expertise in building and maintaining **Java-based applications**, RESTful services, and data-driven workflows, with a strong focus on system reliability, performance optimization, and production readiness. Experienced in modernizing legacy systems, resolving complex production issues, and delivering scalable solutions in **Agile/Scrum environments**. Hands-on background in cloud platforms, databases, and CI/CD pipelines, combined with a track record of collaborating across cross-functional teams to deliver high-impact, customer-focused solutions. Currently pursuing an **M.S. in Information Science**, with continued emphasis on system design, cloud-native development, and software engineering best practices.

Education

University of North Texas M.S. in Information Science	Expected May 2026 CGPA: 3.9/4.0
Jeppiaar Engineering College B.E. in Electronics & Communication Engineering	May 2020

Technical Skills

Languages:	Java, Python, Go, JavaScript/TypeScript, C#, C++, SQL
Backend & APIs:	Spring Boot, Node.js, RESTful APIs, Microservices
Databases:	PostgreSQL, MySQL, Oracle, MongoDB
Cloud & DevOps:	AWS (Lambda, S3, RDS, SQS), Docker, CI/CD, Git
Tools:	Postman, Splunk, Jira, ServiceNow

Experience

Ernst & Young <i>Software Engineer</i>	Oct 2022 – Jul 2024
<ul style="list-style-type: none">Played a key role in modernizing large-scale Java-based enterprise applications, contributing to a successful platform upgrade across multiple environmentsRefactored and merged 100+ customized backend components (Java services, configuration files, UI artifacts), ensuring compatibility and stability during major version upgradesIdentified and resolved 50+ build and compilation issues across Java services and supporting components, restoring functional parity and build stabilityMigrated application logging from legacy configurations to Log4j-based structured logging, improving observability, diagnostics, and production monitoringDesigned and implemented RESTful APIs using Java-based frameworks, defining schemas, request/response mappings, and handler logicMigrated backend integrations from legacy middleware to native REST-based Java services, reducing external dependency costs and improving maintainabilityOptimized backend batch-processing workflows by introducing configurable processing parameters, improving throughput and execution efficiency by 30%Upgraded and enhanced backend API versions, ensuring backward compatibility, improved security, and reliable data exchangeIntegrated Java services with multiple third-party systems to support end-to-end business workflowsResolved complex backend configuration and integration issues with a 75% faster turnaround, improving system reliability and release velocityDelivered technical walkthroughs and demos to stakeholders, explaining backend architecture changes and API enhancementsMentored 3+ junior engineers on Java best practices, backend debugging, and clean code principles	
Ernst & Young <i>Associate Software Engineer</i>	
<ul style="list-style-type: none">Supported Java-based production systems, focusing on backend stability, data consistency, and runtime issue resolutionDiagnosed and resolved 30+ database consistency and integrity issues through Java code fixes and SQL-based remediation scripts	

Ernst & Young <i>Associate Software Engineer</i>	Apr 2020 – Oct 2022
<ul style="list-style-type: none">Supported Java-based production systems, focusing on backend stability, data consistency, and runtime issue resolutionDiagnosed and resolved 30+ database consistency and integrity issues through Java code fixes and SQL-based remediation scripts	

- Developed and executed **Java and SQL utilities** to safely create, update, and delete database records in production systems
- Fixed **100+ high-severity backend defects** related to Java services, database interactions, and integration logic, improving uptime and release stability
- Implemented **input validation, exception handling, and business logic enhancements** in Java services, improving data accuracy by **15%**
- Reduced backend failures by **20%** by strengthening error handling, logging, and defensive programming practices
- Collaborated with **QA, DevOps, and product teams** in Agile/Scrum environments, supporting CI/CD-driven deployments across environments

Bharat Electronics Limited

Jul 2018 – Jan 2019

Student Intern

- Completed cross-functional training in testing, quality management, and engineering systems
- Assisted in hardware testing, inspection, defect analysis, and circuit-level system integration

Projects & Achievements

- **Healthcare AI Assistant (Dec 2025):** Built a clinically grounded AI assistant using multi-layer RAG architecture (dual-vector retrieval + GraphRAG), achieving **4.1/5 accuracy** across 400+ medical QA pairs
- **Spot Award – EY (Mar 2023):** Recognized for resolving critical production incidents and maintaining **99.9% uptime**
- **Client Recognition – EY (Feb 2022):** Automated enterprise workflow, reducing processing time by **50%**

Certifications

- Azure AZ-900 - Microsoft
- Splunk Fundamentals - Splunk
- Guidewire Associate & Guidewire Specialist – Guidewire