AADHITHYA VIJAYAKUMAR

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SUMMARY

Full stack engineer with 5+ years building enterprise applications end to end, from the interfaces people use to the services and data behind them. Has replaced manual, error-prone processes with reliable automation and taken features from first requirements through delivery alongside product and operations teams.

TECHNICAL SKILLS

Frontend: React, Angular, Next.js, Redux, TypeScript, JavaScript, HTML, CSS
Backend: Python, Flask, Java, Spring Boot, C#, Hibernate, REST/JSON APIs, OAuth 2.0, Microservices, JUnit, pytest
Databases: PostgreSQL, MySQL, MS SQL Server, Sybase, Cassandra, SQL
Infrastructure: AWS (S3, EC2, RDS), Kafka, Terraform, Ansible, GitLab CI/CD, Jenkins, Kubernetes, Linux, Bash
Tools: IntelliJ, PyCharm, VS Code, Postman, JIRA, Agile/Scrum

EXPERIENCE

Software Engineer | Goldman Sachs — Aug 2024 - Present

- Engineered Kafka-based change data capture for the team's long-running reconciliation jobs, replacing scheduled batch extracts with change streams so downstream teams see data as it lands.
- Developed the team's Python services on Flask behind the REST APIs for storage provisioning and management, replacing manual requests with automation.
- Migrated 90+ TB of long-term records from on-premises storage to AWS S3 archival, reclaiming the capacity previously provisioned to hold them.
- Designed Grafana dashboards and alerts behind the team's reconciliation and backup runs, covering API health, job status, and capacity metrics for the storage products.
- Led the migration of the team's sensitive, write-heavy data stores from the data lake to the lakehouse, coordinating the cutover with the teams that build dashboards and reports on them.
- Used Claude Code and GitHub Copilot across design discussions, implementation, and code review, and reviewed what came back before any of it shipped.

Web Software Developer | University of Utah — Aug 2023 - Aug 2024

- Built a Java/Spring Boot, Hibernate, React, and PostgreSQL scheduling application for faculty, reducing administrative workload by ~40%.
- Shipped the Student Field Tracker in Angular, TypeScript, C#, ASP.NET, and SQL Server, with ~60% faster retrieval.
- Integrated Zoom APIs with OAuth 2.0 and C++ web scraping to analyze meeting engagement, then built the visualizations on top of it.
- Automated deployment of the application and its database through AWS DevOps pipelines.

Software Development Intern | Grid Elevated — Jan 2023 - Aug 2023

- Deployed Apache Kafka for real-time streaming, so downstream services consumed data as it was produced instead of waiting on scheduled batch runs.
- Cleaned and reshaped client data in Python before it moved downstream.
- Built the client-facing React app and its Redux store on a Flask API, plus the SSL/TLS transport layer in C++, with zero reported breaches over six months.

Software Engineering Consultant | JPMorgan Chase & Co — Oct 2021 - Jul 2022

- Built domestic and overseas client payment flows in Java Spring Boot microservices and Spring MVC.
- Wrote unit tests for transaction workflows in JUnit and Mockito, catching defects in review, not production.
- Automated the release path with Jenkins and Kubernetes, cutting deployment errors across releases.

Software Developer Intern | John Wiley & Sons, Inc. — May 2021 - Oct 2021

- Built a Spring Boot, React, and MySQL online store end to end, the internship's final deliverable, with Java APIs.
- Wrote the SQL and NoSQL queries behind the store's catalog and order data, with JUnit covering the core flows.

EDUCATION

Master of Science, Information Systems - University of Utah, Salt Lake City, UT — Dec 2023
Bachelor of Engineering, Electronics and Communication - Anna University, Chennai, India — Apr 2021

CERTIFICATIONS

AWS Certified Solutions Architect - Associate
Oracle Certified Java Associate