Aadesh Srivastava

Java | Spring Boot | LangChain |
FastAPI | MongoDB | React

Software Engineer with 3+ years of experience in building high-performance software solutions. Passionate about scalable systems, clean code, and solving user-facing problems. Adaptable and quick to learn new technologies.

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WORK EXPERIENCE

Software Engineer
Cisco

03/2022 - Present

Bengaluru

- Built a real-time Team Performance Dashboard using a scalable front-end architecture, enabling supervisors to track key agent metrics instantly — boosted visibility into team KPIs by 3x.
- Launched the Barge-in supervisor feature in production, enabling live call monitoring and faster escalations, directly improving support resolution time.
- Led zero-downtime production deployments and implemented rollback-safe validation workflows for Agent Desktop microservices, improving release stability.
- Reduced manual QA effort by 60% by automating critical UI workflows across Agent Desktop, Portal, and Control Hub using Robot framework, Cypress and Playwright, improving test coverage and regression reliability.
- Improved API latency by 40% on the config-service by implementing advanced filtering, payload optimization, and concurrent load testing — enhanced scalability under high traffic.
- Migrated 100+ test cases from Cypress to Playwright , cutting test execution time by 20% and reducing flaky failures by 30%, strengthening CI/CD confidence.
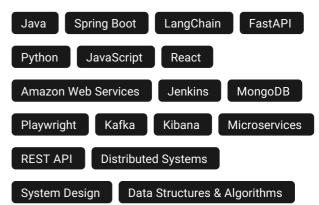
Assistant System Engineer
Tata Consultancy Services

07/2021 - 03/2022

Client - Stellantis

Bengaluru

- Designed and deployed scalable serverless utilities using AWS Lambda , CloudFormation , and SNS , automating daily ops and reducing manual workload by 40%.
- Strengthened cloud security posture by configuring and monitoring AWS Security Hub , GuardDuty , Macie , and Inspector — improved vulnerability detection and compliance checks across accounts.
- Cut compute costs by ~20% by migrating Lambda functions to arm64 architecture , improving performance while reducing runtime resource consumption.
- Developed IaC templates to provision and manage cloud infrastructure seamlessly, ensuring consistency across dev, QA, and prod environments.

SKILLS

Java   Spring Boot   LangChain   FastAPI

Python   JavaScript   React

Amazon Web Services   Jenkins   MongoDB

Playwright   Kafka   Kibana   Microservices

REST API   Distributed Systems

System Design   Data Structures & Algorithms

PERSONAL PROJECTS

AI-Powered Resume Chatbot (Streamlit + LangChain + Groq) (07/2025 - Present)

- Built a chatbot using Groq's LLaMA 3.1 model to answer recruiter questions based on my resume via Retrieval-Augmented Generation(RAG).
- Parsed PDF resume, chunked content, embedded using HuggingFace, and stored in FAISS vector database.
- Integrated with LangChain's RAG chain and deployed with a Streamlit interface and secure password access.

Journal App – Backend Project (01/2025 - 04/2025)

- Developed a secure Spring Boot REST API for a journal app with JWT-based authentication, role-based access control (admin/user), and full CRUD functionality for users and journals.
- Integrated MongoDB Atlas, Redis caching, and Apache Kafka for scalable data storage and real-time performance optimization; implemented weekly sentiment email automation using LLM-generated insights via a LangChain-powered FastAPI microservice.

Solved 450+ Leetcode problems

- https://leetcode.com/u/aadeshsrivastava48/

INTERESTS

Machine Learning   Generative AI

Game Development