

AJAY NEGI

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Work Experience

Infosys Springboard

Oct 2024 – Dec 2024

Java Developer Intern

Remote

- Built a **React** frontend with admin dashboard to manage user records and enforce operational controls.
- Created 4 backend microservices using **SpringBoot** and **PostgreSQL**, used **gRPC** and **Protocol Buffers** for inter-service communication
- Reduced API error rates by **50%** through proper exception handling, logging and strict schema validation across services.

Projects

FileShare - P2P File Sharing | Java, Next.js, Zustand, WebRTC, AWS Lambda, Redis

[Link](#)

- Built a **zero-server-storage** file transfer webapp using WebRTC for browser-to-browser sharing, users connect via pin codes, qr scan or shareable links, used AWS Lambda and Redis for session handling.
- Engineered chunked streaming with backpressure control to handle multi-GB files, writing directly to disk via the **File System Access API**, with a fallback to in-memory Blob assembly.

FormMaillyGo - Serverless Email Infra | Go, AWS Lambda, RESTful API

[Link](#)

- Engineered a cost-efficient **serverless backend** that turns static-site contact-form submissions into secure emails, delivering sub-second response times and running entirely within AWS Lambda 1M free monthly request tier, ideal for solo devs and startups.

UttarakhandCulture | Next.js, TypeScript, Vercel, Coderabbit

[Link](#)

- Building a digital archive to preserve Uttarakhand fading cultural identity by documenting local dialects, festivals, folklore, and mountain trails that younger generations are increasingly losing touch with.
- Developed interactive features for exploring the region's heritage through searchable categories, making centuries-old traditions accessible to anyone with internet, helping families reconnect with their roots.

Leadership & Extracurricular

- **Hackathon:** Led 4 person team to win 1st place out of 70 teams in 24hr healthcare hackathon by building a government medical facility locator with generic medicine lookup
- **Certifications:** Cloud Infrastructure Foundations Associate by Oracle, Introduction to Generative AI by AWS, Amazon Elastic Container Service & Certified Kubernetes Application Developer by KodeKloud
- **Technical Writing:** Publish monthly deep dives on software engineering topics on Codies Coder. [link](#)

Technical Skills

Languages & Frameworks:

Java, Go, JavaScript, Spring Boot, React, JUnit

Cloud:

AWS(EC2, Lambda, S3, IAM), Jenkins CI/CD pipelines, Docker, Linux, Ansible (playbooks, roles, inventory), Terraform, YAML, Prometheus

Databases:

PostgreSQL, MongoDB, Redis, Memcached

Others:

Event-driven systems, Distributed Systems, Design Patterns, Jira, Git

Education

IITM College of Engineering

July 2022 – July 2025

Bachelor of Computer Application

Coursework: Data Structures & Algorithms, Operating Systems, Object-Oriented Programming, Computer Networking and Data Communication, Software Engineering Principles, Agile & Scrum-based Project Development