

Kapil Dev

kapil1singh007@gmail.com | +91 6364037008 | GitHub: KapilXDev | LinkedIn: kapil-dev-6982ba144 | Bangalore, India

Summary

Full-Stack Software Engineer with 3+ years of experience building scalable, high-performance systems using Java, Spring Boot, Node.js, Redis, PostgreSQL, React.js, and Next.js. Strong backend expertise in microservices, API design, cloud deployment, and CI/CD pipelines. Passionate about system design, clean code, and building impactful software products.

Experience

Capgemini
Senior Software Engineer

Bangalore, India
Jun 2021 – Feb 2024

- Built REST APIs using Spring Boot, Node.js, NestJS, GraphQL; reduced latency by 40% through optimized Cognite queries.
- Designed scalable backend for real-time streaming using AWS EC2, OpenSearch, and MediaConvert. Created HLD/LLD documentation for cross-team clarity.
- Integrated Redis for caching and reduced DB load by 30%. Achieved 100% unit test coverage using JUnit and Jest.
- Worked closely with frontend teams (React.js, Next.js) to deploy full-stack features with end-to-end test coverage.

Projects

Insurance Journey Web App
Node.js, Spring Boot, Redis, PostgreSQL, Next.js

2024

- Developed a customer-facing platform for buying insurance with KYC, premium computation, and EMI workflows.
- Reduced quote response time by 25% through API optimization and asynchronous processing.
- Enabled eligibility checks with structured health data collection and smart form logic.

Video Management & Retrieval System
Java, AWS EC2, MediaConvert, Aurora PostgreSQL

2023

- Engineered backend for uploading and retrieving 1000s of large video files; reduced video fetch latency by 35%.
- Applied SOLID principles and documented HLD/LLD for microservice interactions.

SpringBoot Job Scheduler (Personal)
Spring Boot, REST, In-Memory Queue

2025

- Built REST-based in-memory job scheduler for timed execution.
- GitHub repo

Skills

Languages: Java, JavaScript, TypeScript, Python
Backend: Spring Boot, Node.js, NestJS, Redis, GraphQL
Frontend: Angular, React.js, Next.js, Redux
Databases: PostgreSQL, MongoDB, MySQL
Cloud & DevOps: AWS, Docker, Kubernetes, Git, CI/CD, JIRA, SonarQube

Education

Presidency University
B.E. in Computer Science

Bangalore, India
2015 – 2019

Certifications

- JavaScript & Angular – Udemy Certificate (2023)
- Data Structures & Algorithms – InterviewBit (Ongoing)
- AWS Cloud Practitioner (In Progress)

Tech Highlights

- Designed and maintained microservices powering customer journeys for 50k+ monthly users.
- Worked across full stack – PostgreSQL performance tuning to Angular-based UI delivery.

Languages

English (Fluent), Hindi (Native), Kannada (Intermediate)