Shubham Prakash

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Professional Summary

Software Engineer with 3.5+ years of experience building scalable enterprise applications using **Java, Spring Boot, Spring Cloud, Microservices, React, TypeScript, and Node.js**. Strong in **System Design, DSA, REST APIs, distributed systems, authentication, and cloud-native development**, with hands-on expertise in Kafka, Redis, PostgreSQL, Docker, AWS, JWT, and OAuth2.

Professional Experience

Accenture — *Mumbai, India*
Software Engineer (Packaged App Development Analyst) — *Apr 2026 – Present*

- Engineered high-throughput backend microservices using **Java, Spring Boot, and PostgreSQL** for enterprise cash-logistics and financial reconciliation workflows, processing **50,000+ daily asynchronous events** via **Apache Kafka**.
- Built responsive operational portals and real-time shipment tracking modules using **React, TypeScript, and REST APIs**, implementing state management and role-based views that reduced operator workflow turnaround time by **40%**.
- Reduced p95 API latency by **65%** using **Redis distributed caching** and SQL query indexing; secured inter-service communication with **Spring Security (OAuth2/JWT)** and automated containerized deployments via **Docker and AWS**.

Tata Consultancy Services (TCS Digital) — *Mumbai, India*
Software Developer — *Jun 2023 – Apr 2026*

- Developed enterprise applications using **Java, Spring Boot Microservices, React, TypeScript, and Node.js**, following layered architecture and RESTful API principles.
- Migrated ArcGIS authentication from frontend to backend and implemented **JWT, OAuth2, and Auth0 SSO** across 3 enterprise applications, resolving authentication and login issues.
- Integrated **Spring Cloud Eureka Service Discovery and Spring Cloud Gateway** for centralized routing and service communication, improving scalability and maintainability.
- Optimized caching, data structures, and session management, supporting **10,000+ concurrent users** with zero data conflicts and up to **80% faster load times**; built real-time Chart.js dashboards improving engagement by up to **90%**.

Sylvr — *Remote, India*
Software Engineer Intern — *Mar 2023 – Jun 2023*

- Developed MERN stack applications for financial data visualization serving **50+ organizations**, implementing REST APIs, OTP authentication, and role-based access control.
- Containerized applications using **Docker** and deployed on Linux servers with **Nginx**, achieving **98% uptime**.

IIT Patna | Certificate — *Remote, India*
Research Intern — *Jan 2022 – May 2022*

- Worked on deep learning research involving emotion prediction, psychiatric disorder prediction from BCI signals, and audio classification.

Projects

TradeX (*Realtime Paper Trading Platform*) | Live | Swagger | API | UI — *Jun 2026 – Sep 2026*

- Designed a scalable **stock trading platform** using Spring Boot microservices with **API Gateway, Eureka Service Discovery, authentication, market, and portfolio services**.
- Built a self-contained market-data system generating price history for **15 Indian stocks/ETFs across 10 years** with OHLCV data; implemented real-time price streaming using **Kafka and WebSockets** with Redis caching and PostgreSQL persistence.

VideoShare | Live | API | UI — *Dec 2024 – Apr 2025*

- Built a YouTube-like video-sharing platform with authentication, video streaming, likes, comments, subscriptions, playlists, and REST APIs.
- Implemented **MongoDB Atlas fuzzy search** and an NSFW content classification pipeline for videos and thumbnails; deployed using Docker, AWS EC2, and Nginx with **99% uptime**.

Technical Skills

Backend: Spring Boot, Spring MVC, Spring Security, Spring Cloud, Node.js, REST APIs, Microservices
Distributed Systems: Kafka, RabbitMQ, Redis, WebSockets, API Gateway, Eureka
Databases: PostgreSQL, MongoDB, JPA, Hibernate, Prisma, Mongoose
DevOps & Tools: Docker, AWS EC2, Nginx, CI/CD, Git, Linux, Postman
Languages: Java, TypeScript, JavaScript, Python
Core: System Design, HLD, LLD, DSA, OOP
Security: JWT, OAuth2, Auth0, RBAC
Frontend: React, Next.js, HTML, CSS

Education

Cochin University of Science and Technology — *Jun 2019 – Mar 2023*
B.Tech in Electronics and Communication Engineering — **CGPA: 8.91/10**