

Shubham Prakash

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Professional Summary

Software Engineer with 3 years of experience building scalable applications using **Java, Spring Boot, Spring Cloud, Microservices, React, and Node.js**. Strong in **System Design, DSA, REST APIs, distributed systems, authentication, and cloud-native development**, with experience in Kafka, Redis, PostgreSQL, Docker, AWS, JWT, and OAuth2.

Professional Experience

Accenture Mumbai, India
Packaged App Development Analyst Apr 2026 – Present

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 achieving 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 | [Live](#) | [Swagger](#) | [API](#) | [UI](#) June 2026 – Present

Realtime Paper Trading Platform

- 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