

# Shubham Raut

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## EXPERIENCE

### Software Development Engineer I

Jun 2025 – Present

*Onelab Ventures, Pune (Onsite)*

- Building a production-grade B2B e-commerce platform using React PWA and Node.js microservices, delivering core modules like auctions, inventory, and order workflows.
- Implemented asynchronous event-driven processing using Redis and BullMQ for real-time auctions, notifications, and background jobs.
- Designed and deployed containerized services on AWS ECS (Fargate) with auto-scaling, ALB-based traffic routing, and Docker image management via ECR.
- Built end-to-end CI/CD pipelines using GitLab CI/CD and deployed frontend apps on AWS S3 + CloudFront.

### Mobile Application Development Intern



Jan 2024 – Jun 2025

*ResoluteAI Softwares, Bangalore (Remote)*




- Worked on 4–5 production applications across healthcare, emergency response, and analytics domains.
- Improved application performance by 20% through component refactoring and UI optimization.
- Built secure REST APIs and modernized legacy Java modules by migrating to Kotlin.
- Implemented WebRTC video calling, geofenced live tracking, and health data integrations using Google Fit and Health Connect.

## PROJECTS

### LiveThread – Real-Time Discussion Chrome Extension

- Built a Chrome extension that converts any webpage into a live discussion forum using WebSockets.
- Designed scalable real-time architecture using Socket.io and Redis Pub/Sub.
- Implemented dynamic URL-based rooms and real-time user presence tracking.
- **Tech Stack:** React, TypeScript, Node.js, Socket.io, Redis, MongoDB
-  [/ShubhamRaut280/liveThread](https://github.com/ShubhamRaut280/liveThread)  [shubham9689/livethread-backend](https://shubham9689/livethread-backend)

### ElectroRoute – EV Charging Station Management

- Developed Spring Boot REST APIs with JWT authentication for EV charging station discovery and management.
- Implemented geo-based search using latitude-longitude coordinates.
- Containerized backend using Docker and documented APIs with Swagger.
- **Tech Stack:** Java, Spring Boot, MySQL, Docker
-  [/ShubhamRaut280/electro-route](https://github.com/ShubhamRaut280/electro-route)  [shubham9689/electro-route](https://shubham9689/electro-route)  Live Backend

### SkillSphere – Freelancing Platform

- Built a Firebase-powered freelancing platform connecting clients with service providers.
- Implemented freelancer discovery, job requests, real-time notifications, and review systems.
- **Tech Stack:** React, Node.js, Firebase
-  [/ShubhamRaut280/skillsphere](https://github.com/ShubhamRaut280/skillsphere)  Live Site

## EDUCATION

### Sinhgad College of Engineering

Pune, India

*B.E. Computer Science and Engineering — CGPA: 8.67/10*

2022 – 2025

### Government Polytechnic Khamgaon

Khamgaon, India

*Diploma in Engineering — 90.46%*

2019 – 2022

## TECHNICAL SKILLS

**Languages:** Java, C++, JavaScript, Kotlin, Python

**Backend:** Node.js, Express, Spring Boot

**Frontend:** React, Flutter, HTML, CSS

**Databases:** PostgreSQL, MySQL, MongoDB, Redis

**Cloud & DevOps:** AWS ECS (Fargate), EC2, ECR, S3, CloudFront, ALB, Aurora, ElastiCache

**CI/CD & Tools:** GitLab CI/CD, Docker, Git, GitHub, Postman, Firebase

**Operating Systems:** Linux, Windows

## AWARDS & RECOGNITION

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- **Customer Champion Award** - Onelab Ventures Recognized for a strong client-first mindset and consistently exceeding customer expectations.
- **Rising Star Award** - Onelab Ventures Awarded for rapid growth, initiative, and impactful early-stage contributions.

## CERTIFICATIONS & WORKSHOPS

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- Java
- MySQL
- Accenture Nordics Developer Program
- Postman API Fundamentals Student Expert
- Git and GitHub Workshop