

Raviraj Khopade

SOFTWARE ENGINEER

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SUMMARY

Highly Skilled **Software Engineer** with 3+ years of experience designing and developing cloud-native full-stack applications using **Java**, **Spring Boot**, and **modern JavaScript** frameworks (React.js, Angular, Vue.js). Expertise in scalable **RESTful APIs**, **microservices architecture**, system **design**, and **secure**, performant backend development. Adept in AWS, Azure, CI/CD pipelines, and observability tools like **OpenTelemetry** and **Grafana**. Proven record of accomplishment in Agile teams delivering high-impact solutions in **fintech** and **platform engineering**.

PROFESSIONAL EXPERIENCE

Uber, CA

Software Engineer

Jun 2025 – Present

- Developed a responsive **React.js dashboard** with role-based access, integrating **WebSockets**, **GraphQL**, and **Redux** for real-time driver performance tracking, improving usability and engagement by 30%.
- Designed and implemented **Java + Spring Boot microservices** to manage driver incentives and backend integrations with payout and analytics systems.
- Built feature flagging infrastructure with **LaunchDarkly**, enabling dynamic config changes, controlled rollouts, and granular A/B testing without code redeloys.
- Instrumented end-to-end observability using **OpenTelemetry**, **Grafana**, and **AWS CloudWatch**, cutting incident resolution time by 40%.
- Automated **CI/CD** via **GitHub** Actions, containerized services with **Docker**, and deployed to **AWS ECS** (Fargate) and **Lambda** for zero-downtime blue-green releases.
- Collaborated in **Agile** teams, contributing to architecture reviews, sprint planning, and code reviews to ensure scalable, secure, performant services.

Capgemini, India

Software Engineer

Jul 2022 – Jul 2023

- Developed the “**Bank-Assisted Onboarding**” platform from scratch using **React.js**, **Redux**, and **Java microservices**, improving client onboarding time from 2 days to 30 minutes and supporting dynamic UI rendering across modules.
- Created and maintained secure **RESTful APIs** using Spring Security, **JWT**, and **Spring Boot** and **Spring MVC**, ensuring consistent integration between backend and frontend services while enabling role-based access control.
- Deployed containerized **Java microservices** with **Docker** into Azure App Services via **Azure DevOps** pipelines, reducing deployment time and improving scalability across dev, QA, and prod environments.
- Developed **Azure Function Apps** with **Blob Storage** integration to automate **KYC checks** and document storage, boosting compliance efficiency by 60%.
- Optimized SQL queries and designed **PostgreSQL** schema to streamline document workflows, improving performance and reducing latency by 40%.
- Implemented unit testing using **JUnit** and incorporated **SonarQube** for static code analysis within **CI/CD**, reducing code quality issues and enhancing test coverage.
- Collaborated in **Agile Scrum** teams using **Azure Boards** to manage sprints, tasks, coordinating with product, QA, and UI/UX teams to meet changing requirements.

Capgemini, India

Associate Software Engineer

Aug 2021 – Jul 2022

- Migrated and optimized the **Tikkie payment app** frontend from **Angular** to **Vue.js**, enhancing UI responsiveness and reducing page load time by 40%.
- Engineered a **Vue.js** dashboard for real-time sales and customer analytics, enabling data-driven decisions that boosted campaign targeting efficiency by 60%.
- Maintained and standardized **LIT web components** across modules, reducing redundant **UI development** effort and streamlining consistency across applications.
- Developed and integrated a **Jenkins-based CI/CD pipeline** with **SonarQube**, improving code quality and reducing build errors by 30%.
- Implemented and automated **unit tests** using **Jest** and **E2E tests** via **TestCafe**, achieving 95% code coverage and accelerating **QA cycles**.
- Built and optimized an **Angular**-based admin panel for inventory workflows and fine-tuned **SQL** queries to reduce analytics reporting time by 5+ minutes.
- Deployed and monitored **JavaScript-based microservices** on **AWS EC2** and utilized **S3** for scalable storage, maintaining 99% uptime during high-volume usage.
- Designed and triggered **AWS Lambda** functions for real-time product recommendations and inventory synchronization, improving backend performance by 35%.
- Maintained and documented project artifacts on **Confluence** and used **GitHub** for **version control**, reducing merge conflicts and onboarding time by 30%.

Capgemini, India

Software Engineer Intern

Feb 2021 – Apr 2021

- Led a team of 4 to develop a full-stack NGO portal web application using Java **Spring Boot** and **Angular**, completing the project within 2 months.
- Designed and implemented **RESTful APIs** to enable smooth communication between frontend and backend layers, using **MySQL** for efficient data storage and retrieval.
- Built user-friendly interfaces with **Angular**, implementing form validation, navigation, and modular components to enhance usability for NGO administrators and users.
- Conducted **functionality testing** and **bug fixing** throughout **development**, ensuring application stability and reliability before the final handover.

Airbnb, India

Software Developer Intern

Jun 2020 - Jan 2021

- Assisted in building an internal property analytics platform using **Java**, **Spring Boot**, and **RESTful APIs**, enabling real-time insight into regional performance trends.
- Designed and optimized **MySQL** schemas to manage booking data, improving data retrieval speed through effective indexing and schema normalization.
- Wrote complex **SQL queries** for revenue forecasting and occupancy reports, driving actionable insights for product and operations teams.
- Refactored service **logic** and implemented **caching** strategies, significantly improving **dashboard load times** and **system responsiveness**.
- Collaborated in **Agile sprints**, using IntelliJ IDE for backend module development and leveraging **Git** for version control and code reviews.

EDUCATION

Illinois Institute of Technology, Chicago, IL, USA

Aug 2023 – May 2025

Masters, Computer Science; **GPA: 3.6/4.0**

Savitribai Phule Pune University, Pune, India

Aug 2017 – May 2021

Bachelor of Engineering, Electronics and Telecommunication; **GPA: 3.7/4.0**

TECHNICAL SKILLS

Languages: Java (Core + OOP), Python, JavaScript, TypeScript, SQL, C++, C

Frontend: React.js, Vue.js, Angular, Redux, HTML5, CSS3, Tailwind, Bootstrap, jQuery, LIT, Figma

Backend & APIs: Spring Boot, Spring MVC, Node.js, Express.js, Django, Flask, RESTful APIs, GraphQL, Swagger

Databases: PostgreSQL, MySQL, MongoDB, Redis, Oracle, Elasticsearch

Cloud & DevOps: AWS (EC2, S3, Lambda, RDS, ECS, CloudWatch), Azure (Functions, Blob, App Services, DevOps), Docker, Jenkins, GitHub Actions

Testing & Monitoring: JUnit, Mockito, Jest, Selenium, TestCafe, Postman, OpenTelemetry, Grafana

Tools & Practices: Git, GitHub, Agile/Scrum, CI/CD, Jira, Confluence, IntelliJ, VS Code

Software Principles: Design Patterns, Object-Oriented Programming (OOP), Distributed Systems, JWT

AI/ML & Others: LangChain, Autogen, LlamaIndex, ML-based Fraud Detection, Retool

PROJECTS

Smart Homes Web App (React.js, Node.js, Elasticsearch, Python, ML, TailwindCSS, JWT)

- Built an AI-enabled e-commerce platform with secure JWT checkout, ML-based fraud detection, and Elasticsearch-driven product recommendations.

Password Sharing Tool (Node.js, Express.js, PostgreSQL, Retool, JWT, Render)

- Developed a secure password manager with JWT auth, encrypted storage, PostgreSQL backend, and deployed on Render.