

Amol Ghuge

Senior Full-Stack Engineer | Backend & API Specialist | React Native & Cloud

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SUMMARY

Full-Stack Software Engineer with **6+ years** of experience across the end-to-end SDLC — web frontend, **cross-platform mobile (React Native)**, backend, API design, cloud infrastructure, and application security. Track record of architecting greenfield products from zero to production, designing microservice and micro-frontend architectures, and shipping features used by **10,000+ users at 99.9% uptime**.

SKILLS

Languages: JavaScript, TypeScript, SQL, HTML5, CSS3

Frontend: React.js, Next.js 15, Redux, TailwindCSS, Bootstrap, Storybook, Guidewire Jutro

Mobile: React Native, Expo, React Navigation, Native Modules, Push Notifications, OTA Updates, App Store & Play Store Releases

Backend: Node.js, Express.js, REST APIs, GraphQL, Microservices, Edge APIs

Databases: PostgreSQL, MySQL, MongoDB, Prisma ORM, Redis, SQL Query Optimization

Cloud & DevOps: AWS (EC2, S3, Lambda), Docker, CI/CD Pipelines, Vercel, Git, GitHub Actions

Architecture & Security: Microfrontend (MFE), RBAC, OAuth 2.0 (Okta), Webpack & Metro Optimization, XSS/SQL/OS Injection Mitigation

Testing & Tools: Jest, React Testing Library, JIRA, Figma, Postman

WORK EXPERIENCE

Globant | *Senior Full-Stack Engineer*

June 2024 – Present

- Architected and delivered a **greenfield full-stack application** from scratch, designing both the **React/Next.js** frontend and **Node.js/Express** backend, scaling to **10,000+ users at 99.9% uptime**.
- Designed a **microfrontend (MFE) architecture** enabling independent deployments across multiple product teams, eliminating release conflicts and increasing delivery velocity.
- Built and optimized **RESTful backend APIs** with data validation, centralized error handling, and rate-limiting middleware for production stability.
- Integrated **PostgreSQL with Prisma ORM**, designing normalized schemas and optimizing query performance under concurrent load.
- Implemented enterprise-grade authentication with **Okta (OAuth 2.0)** and **Role-Based Access Control (RBAC)** across web and mobile clients, eliminating unauthorized-access incidents post-launch.
- Owned **CI/CD pipelines** and **Vercel** deployments, managing environment-based configuration and secrets across staging and production.
- Optimized the **Webpack** build pipeline with code splitting and lazy loading, significantly reducing initial page load time and improving Lighthouse scores.
- Authored unit and integration test suites with **Jest** and **React Testing Library**, reducing regression incidents by **25%**.

Accenture | *Senior Full-Stack Developer*

June 2022 – June 2024

- Delivered **5+ insurance products** end-to-end using **React.js** and **Guidewire Jutro**, owning API integration, business logic, and cross-browser compatibility.
- Engineered a **real-time payment processing API** on **Java Spring Boot** serving **50+ banking clients**, reducing transaction times and supporting client acquisition.
- Built a **High-Volume Quoting** feature dispatching hundreds of simultaneous insurance requests via the **Guidewire Edge API** and React UI, handling concurrency and error recovery.

- Developed **Document Conversion** and **Virus Scanning** microservices in Node.js, processing thousands of documents daily for internal compliance workflows.
- Built a feature-rich **PDF Editor** (React + Node) using **PSPDFKit**, enabling dynamic page manipulation — add, delete, edit, shuffle, rotate — for client and internal workflows.
- Engineered an **Excel-to-JSON** bulk converter for user onboarding, cutting manual data entry by **60%** and accelerating sprint delivery.
- Reduced manual coding effort by **70%** through strategic use of the **Jutro Digital Platform**, and accelerated UI delivery by **50%** with Storybook and Figma-to-code workflows.

Infosys | *Senior System Engineer (Full-Stack)*

Dec 2019 – May 2022

- Integrated two major enterprise platforms via **Java Spring Boot microservices**, improving interoperability and reducing API latency.
- Designed and built a full-stack **Travel Booking Website** (**Java Spring Boot, React.js, MySQL**), owning the full product lifecycle from schema design to deployment.
- Implemented efficient server-side **search, filtering, and pagination** for large datasets in Java and JavaScript, significantly improving performance and UX.
- Conducted comprehensive security audits and patched **SQL injection, OS injection, and path traversal** vulnerabilities, hardening the application security posture.
- Built a custom **Java automation tool** for test data generation, saving **15+ hours** of manual effort per week and unblocking QA pipelines.
- Contributed to **MySQL** database design, including indexing strategies and query optimization for high-read-volume use cases.

EDUCATION

Dr. D. Y. Patil Institute of Technology

Jul 2015 – Jun 2019

B.E. Computer Engineering

CGPA: 7.55/10.0

KEY ACHIEVEMENTS

- Received the **"Pat on the Back"** Award for two consecutive months in recognition of outstanding performance and consistent contributions.
- Designed and shipped production systems used by **10,000+ users at 99.9% uptime**, with end-to-end ownership from architecture through deployment.
- Eliminated unauthorized-access and injection-class vulnerabilities across two organizations through proactive security audits and targeted patches.
- Built real-time payment APIs serving **50+ banking clients**, directly contributing to client acquisition and commercial outcomes.