

VAISHALI PUROHIT

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SUMMARY

Senior Full-Stack Engineer with 7+ years of experience designing and developing scalable, production-grade web applications and AI-enabled platforms. Expertise includes React, TypeScript, Node.js, and cloud-native microservices, with an emphasis on maintainable architectures, code quality, and collaborative software delivery. Currently pursuing an MSc in Data Science at the University of Leicester, with research focused on predictive modeling and Earth observation data pipelines.

SKILLS

- **Languages:** TypeScript, JavaScript, Python
- **Frontend:** React, [Next.js](#), Redux, HTML5, CSS3, Material UI, Tailwind CSS
- **Backend:** [Node.js](#), [Express.js](#), REST APIs, GraphQL, Microservices
- **Databases:** PostgreSQL, MongoDB
- **Testing:** Jest, Cypress, Playwright, Storybook
- **Tools:** Git, GitHub, GitLab, Jira, Figma, Miro
- **AI Tools:** Cursor, Claude, GitHub Copilot
- **Cloud & DevOps:** AWS, GCP, GitHub Actions, CI/CD, Docker
- **Methodologies:** Agile, Scrum, Sprint Planning, Code Review

PROFESSIONAL EXPERIENCE

MODELIA

Remote, India

Senior Software Engineer

Dec 2024 - Oct 2025

- Led backend development for an AI-powered fashion studio, architecting APIs and data models supporting image generation workflows and digital asset management for 100k+ users.
- Engineered a hybrid SSR/CSR architecture using React, TypeScript, and Node.js, improving data-loading performance by 25%.
- Implemented scalable integrations between AI models and frontend systems, reducing response latency by 30% and enabling high-volume generation workflows.
- Created a library of 20+ reusable components and modular features, reducing feature delivery time by 25%.
- Partnered with UX designers and product stakeholders using Figma and Miro to translate requirements into production-ready features, improving UX consistency across releases.
- Mentored 4 engineers by leading technical reviews, architectural discussions, and sprint execution planning, improving delivery consistency across releases.

AXA LIFE INSURANCE

Tokyo, Japan

Software Engineer

Apr 2023 - Sept 2024

- Maintained and enhanced insurance claims systems using React, TypeScript, and REST APIs, reducing claim processing time by 40%.
- Built a shared UI component library of 30+ components, reducing frontend development effort by 20% across multiple enterprise applications.
- Introduced visual regression testing with Storybook and automated test coverage with Jest, reducing UI defects by 15%.

- Coordinated with engineering, QA, and compliance teams of 10+ members in a bilingual Agile environment, delivering enterprise features across six sprint cycles.
- Improved release reliability by strengthening peer review processes and refining development workflows across teams.

DEQODE

Solution Engineer

Indore, India

May 2019 - Mar 2023

- Engineered a real-time AI-powered taxi platform using React, Node.js, WebSockets, and Google Maps APIs, enabling live tracking for 5,000+ daily rides.
- Architected and implemented a decentralized exchange trading UI supporting 3+ token swap pairs and processing 10,000+ monthly transactions.
- Collaborated with designers and product teams to translate business requirements into scalable web applications, reducing iteration cycles by 25%.
- Contributed to Agile delivery by improving sprint predictability and maintaining a 95% on-time delivery rate across releases.

MINIORANGE

Software Engineer

Pune, India

Jan 2018 - May 2019

- Maintained and enhanced authentication and security plugins, contributing to a 30% increase in user adoption.
- Extended plugin functionality using JavaScript and web technologies while ensuring cross-platform compatibility for enterprise clients.
- Authored technical documentation and user guides that reduced onboarding time by 40%.
- Resolved customer-reported issues with a 95% first-response resolution rate, reducing average support turnaround time by 30%.

EDUCATION

UNIVERSITY OF LEICESTER

Master of Science (MSc) in Data Science

Leicester, UK

Sept 2025 - Expected Sept 2026

- Currently establishing strong foundations in statistical theory, probability and mathematical modeling. Developing proficiency in Python for data analysis and R for statistical computing.
- Collaborating on research projects involving Earth observation data and AI-based resource optimization.
- Developing end-to-end data pipelines for preprocessing, visualization, and predictive modeling.

MAEER'S ART, SCIENCE AND COMMERCE COLLEGE

Master of Computer Science (MCA)

Pune, INDIA

May 2015 - Mar 2018

SANGHVI INSTITUTE OF MANAGEMENT & SCIENCE

Bachelor's of Computer Science (BCA)

Rau, INDIA

May 2012 - Mar 2015

LANGUAGES

ENGLISH (BUSINESS PROFICIENCY)

HINDI (NATIVE)