

Smrati Tiwari

Bangalore, India | Full Stack Developer | MERN | Cloud | Gen AI

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SUMMARY

Full Stack Developer with 5+ years of experience building and optimizing scalable enterprise applications using **MERN stack, TypeScript/JavaScript, and cloud-native tools (AWS, Docker, Kubernetes)**. Skilled at improving **UI/UX performance (20%+ load-time reduction)**, implementing **CI/CD pipelines (Continuous Integration/Continuous Deployment)**, and integrating **Generative AI** into web products. Seeking to leverage strong technical and architectural skills to drive product innovation at a leading technology company.

SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, Python, HTML5, CSS3, SASS/SCSS
- **Front-End:** React.js, Next.js, Redux, React Native, Tailwind CSS, UX/UI Design, Figma
- **Back-End:** Node.js, Express.js, REST APIs, GraphQL, Django, FastAPI, Flask
- **Databases:** MongoDB, PostgreSQL, MySQL, Redis, Elasticsearch, Firebase
- **Cloud & DevOps:** AWS (EC2, S3, Route 53, Lambda), Docker, Kubernetes, Microservices Architecture, Jenkins, GitLab CI/CD, Docker Swarm, Heroku, Netlify
- **AI/ML:** Generative AI (LangChain, OpenAI API), Streamlit, Ollama, Google ADK
- **Practices:** Agile/Scrum, System Design, DSA, Debugging, Automation, Code Reviews, Security Best Practices (XSS mitigation)

PROFESSIONAL EXPERIENCE

Associate Projects – Full Stack Developer | EY-Ernst & Young (via Cognizant)

Dec 2023 – Present

- **Improved application load times by 20%** by optimizing performance and implementing monitoring/alerting using Prometheus & Grafana.
- Architected and developed **UI/UX components** for *EY Canvas*, a global audit-management platform used by thousands of auditors worldwide.
- Delivered **type-safe features** using **TypeScript, React, Redux, Next.js**, integrating with **GraphQL & REST APIs** in a **Microservices Architecture**.
- Created secure, performant **back-end services** with **Node.js/Express.js**.
- Delivered **responsive UI** with HTML5, Tailwind CSS/SASS, aligned with design-system standards and cross-browser compatibility.

Software Analyst – Full Stack Engineer | PTC Software

Jul 2019 – Nov 2023

- Developed **UI enhancements** for *FlexPLM*, a large-scale enterprise retail Product Lifecycle Management (PLM) product serving global clients.
- Built **feature-based SPAs** integrated into legacy systems via **React JS, Node.js, Express.js, Redux** in a **monorepo architecture** for code reusability.
- Created secure, performant **back-end services** with **Node.js/Express.js**, connecting to **MongoDB & PostgreSQL**, and evaluated **Python/FastAPI** for high-performance data processing.
- Led **migration of the codebase from SVN to Git** and established **CI/CD pipelines** via **Jenkins & GitLab**, streamlining deployments and automated testing.
- Proactively identified and mitigated **security vulnerabilities (e.g., XSS)** and established thorough **code-review workflows**.

EDUCATION

Master of Computer Applications (MCA), Computer Science

Savitribai Phule Pune University | Jul 2017 – Apr 2020

Relevant Coursework: Software Engineering, Computer Architecture, Artificial Intelligence, Data Structures & Algorithms, DBMS, Computational Theory.