

Saumya Tiwari

Senior Full Stack Engineer

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Software engineer building web products since 2018, used by thousands of customers. Strong in React, TypeScript, Node.js, PostgreSQL, search, and cloud systems. Recent work includes AI product development and evaluating code written by AI models.

EXPERIENCE

Software Engineer, AI Training & Evaluation | Micro1

Nov 2025 - Present

- Evaluate AI-generated code for debugging, refactoring, and feature work. Test whether it works and meets the requirements.
- Write prompts, test cases, and scoring guides. Identify repeated mistakes and give clear feedback to improve model responses.
- Added agent features to an AI dashboard copilot, including tool use, data analysis, human review steps, and fraud-analysis workflows. Used Claude Code and Antigravity to build and assess projects.

Independent Software Engineer | Independent

May 2025 - Present

- Built AskBase, a document chat tool that streams answers with source citations using RAG and pgvector.
- Built RoastMyResume, an AI tool that compares resumes with job descriptions and gives feedback on skill gaps.

Frontend / Senior Full Stack Engineer | VdoCipher

May 2019 - May 2025

- Modernized the React and TypeScript frontend; the redesign contributed to a 20% increase in customer retention.
- Built distributed search with OpenSearch, cutting response time from 2-3 seconds to about 200 ms and CPU use by 40%.
- Helped move video processing from AWS to GCP, handling more than 100 TB of video each month.
- Moved the build from Webpack to Vite, reducing build times by 90%.
- Built video and anti-piracy features used by more than 1,500 education platforms; blocked over 57,000 unauthorized sessions.
- Built a real-time analytics pipeline with Kinesis and BigQuery; mentored 5+ engineers and led technical interviews.

Full Stack Engineer | Expedition (remote)

Oct 2018 - Dec 2018

- Improved the product UI, fixed bugs, and added a Discord bot and developer tooling.

JavaScript Engineer | Pesto Tech

Jun 2018 - Oct 2018

- Built a React and Express dashboard with GitHub and WakaTime integrations and automated tests.

SELECTED PROJECTS

AskBase - Document Q&A with streaming answers and citations. **RoastMyResume** - Resume feedback tool built with Next.js and Stripe. **Mesh** - Real-time group chat with AI responses and extracted tasks.

TECHNICAL SKILLS

Frontend: React, Next.js, TypeScript, Redux, Tailwind CSS, Vite | **Backend:** Node.js, Express, PostgreSQL, MongoDB, REST, GraphQL, OpenSearch | **AI:** LLM evaluation, tool use, RAG, pgvector | **Cloud:** AWS, GCP, Docker, Kubernetes, Terraform, Kinesis, BigQuery

EDUCATION

B.Tech, Computer Science and Engineering | Bharati Vidyapeeth's College of Engineering, Delhi | 2014 - 2018