Varun Gokte

Full Stack Software Engineer with 1.5+ years of experience building scalable web apps using React, TypeScript, Node.js, Flask, and MongoDB

PERSONAL INFORMATION

Citizenship: U.S. (no sponsorship required) | vsgokte@gmail.com | linkedin.com/in/varun-gokte | github.com/varun-gokte | Portfolio: varun-gokte.github.io

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java
Frontend: React, Tailwind, Material UI
Backend & Databases: Node.js, Express, Django, Flask, FastAPI, MongoDB, PostgreSQL
Cloud, Dev & AI Tools: Docker, Git/GitHub, AWS, Vercel, Cursor, Scikit-learn, OpenAI API

WORK EXPERIENCE

Software Engineer – WorkIPO (a startup building products for clients)

April 2025 – present

- ERP System – Internal client tool developed with **React**, **Flask**, **PostgreSQL**
  - Developed and maintained **RESTful** APIs to enable seamless data exchange between frontend and backend.
  - Designed and implemented PostgreSQL database schemas and queries using **SQLAlchemy** to support application functionality and ensure efficient data management.
  - Refactored legacy code and optimized queries, boosting system performance by 30%.
  - Implemented **Playwright** tests to improve reliability, expanding automated coverage by 20%.

Software Developer – Beacon Trusteeship/Codium Techlabs (a fintech company)

February 2024 – March 2025

- Report Building Tool – Financial reporting platform with **React**, **Node.js**, **Express**, **MongoDB**, **Mongoose**
  - Developed a drag-and-drop interface (using **Craft.js**) for customizable charts and reports.
  - Integrated AI insights (**OpenAI API**) and automated multi-API financial data fetching.
  - Built backend for saving templates, data scraping and efficient CRUD operations.
- Document Management System (DMS) – Financial document platform using **React**, **WebSockets**.
  - Developed secure frontend with authentication, role-based access, and dynamic dashboards.
  - Implemented real-time updates via WebSockets and integrated frontend with backend APIs.
  - Built responsive UI using React and **Shadcn/ui** for a modern, consistent design.

EDUCATION

B.E. Electronics and Communications Engineering, BITS Pilani, Goa Campus (2023)

PERSONAL PROJECTS

Document Chat – React, FastAPI, Qdrant, Google Gemini API   *View Site | Source Code*

- An AI-powered document chat application enabling users to upload PDFs and ask contextual questions, with semantic search and LLM-generated responses similar to **Google NotebookLM**.
- Built using **React** and **FastAPI**, integrated with **Qdrant** for vector storage and Gemini API for embeddings & answer generation, achieving fast and accurate retrieval of relevant document chunks.
- Deployed scalable architecture with frontend on **Netlify** and backend on **Render**.

Resume Analyzer – Flask, PostgreSQL, Docker, Sentence Transformer   *Source Code*

- Developed a **Flask** app that evaluates resumes against job descriptions, returning a match score using **Sentence Transformers** and Cosine Similarity.
- Integrated a Dockerized **PostgreSQL** database to store resumes and job descriptions, supporting scalable data management.

Portfolio Website – React, MUI, Tailwind, Framer Motion   *View Site | Source Code*

- A personal portfolio website on GitHub Pages to showcase projects and experience.
- Fully responsive, modern UI using Material UI, Tailwind, and Framer Motion animations.

Blog Website – Django, HTML/CSS, SQLite   *Source Code*

- Implemented user authentication with Django's built-in system, allowing secure registration and login.
- Users can create, view, edit, and delete posts, and leave comments on others' posts.