

Sugat Sarwade

Full Stack Developer (React + Python + AWS) | Pune, India | Remote / Hybrid
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SUMMARY

Full Stack Developer with **4 years** of experience designing, developing, and deploying robust web applications. Strong expertise in building responsive front-end user interfaces using **React.js & React Native (4 years)** and scalable back-end services with **Python/FastAPI (3+ years)**. Proven ability to deploy and manage applications on **AWS Cloud (3+ years)** and Linux environments. Adept at driving multi-tenant SaaS platforms, optimizing database queries, and integrating modern AI pipelines. Focused on delivering end-to-end, high-performance solutions.

TECHNICAL SKILLS

Frontend: React.js, Next.js, React Native, JavaScript (ES6+), TypeScript, HTML5, CSS3, Redux, Context API

Backend & APIs: Python, FastAPI, Pydantic, Django, Flask, REST APIs, Redis, RQ

Cloud & DevOps: AWS (EC2, S3, IAM, CLI), Linux Server Admin, Nginx, Docker, PM2, CI/CD

Databases: MySQL, PostgreSQL, Firebase, MongoDB, Vector DBs (Qdrant)

AI & Agents: LLMs, Multi-Modal Vision, LangGraph, RAG, Mem0, Voice Agents (Kokoro TTS)

Tools: Git, GitHub, Postman, Cursor, VS Code

WORK EXPERIENCE

Full Stack Developer

Sep 2022 – Present

Shekru Labs India Pvt. Ltd.

Pune, India

- Engineered **MenuMitra**, a multi-tenant restaurant SaaS (POS, QR ordering, admin dashboards, customer apps) handling **500+ daily orders** across **10+ tenant restaurants**.
- Developed responsive, dynamic web interfaces with **React.js** and Next.js, and built cross-platform mobile apps using React Native.
- Designed and implemented high-performance backend RESTful APIs using **Python FastAPI**, integrating them with the React front-end.
- Managed and optimized **MySQL** databases; implemented query optimizations that improved system performance by **~25%**.
- Deployed and monitored production applications on Linux servers and **AWS Cloud** environments using PM2 and Nginx reverse proxy configurations.
- Implemented secure authentication, authorization (JWT), and automated API workflows.

PERSONAL PROJECTS

RAG-based Document Q&A API | *Python, FastAPI, Vector DB, Embeddings*

- Built a retrieval-augmented generation (RAG) pipeline to ingest documents, chunk text, and perform vector search.
- Developed a FastAPI backend to serve contextual answers via LLM API integration, demonstrating strong Python AI/backend capabilities.

Stateful Multi-Agent AI System | *FastAPI, LangGraph, Qdrant, Redis, Ollama*

- Engineered a cyclical multi-agent workflow using **LangGraph** and **Mem0** for persistent, cross-session AI memory.
- Implemented an asynchronous **RAG** pipeline with **Redis/RQ** to handle document chunking and vector embeddings (**Qdrant**) without blocking the API, and integrated local LLMs via **Ollama**.

AI Vision & Voice Assistant Pipeline | *FastAPI, Pydantic, Kokoro TTS, Multi-Modal LLMs*

- Developed robust API endpoints using **FastAPI** and **Pydantic** for strict data validation and serialization.
- Integrated **Kokoro TTS** for text-to-speech voice generation and **Ollama (Gemma3)** for multi-modal image analysis.

Automated API Workflow Engine | *n8n, REST APIs, MySQL, AWS/Linux*

- Designed multi-step automation workflows integrating REST APIs, webhooks, and MySQL to eliminate manual data entry.
- Self-hosted the engine on a Linux server, configured environment variables, and managed Nginx proxy settings, reducing manual tasks by 40%.

EDUCATION

Master of Computer Applications (MCA) / M.Sc. Computer Applications

2022 – 2024

Savitribai Phule Pune University

Pune, India

Bachelor of Science in Computer Science

2019 – 2022

Dr. Babasaheb Ambedkar Marathwada University

Aurangabad, India