SIDDHANT JAISWAL

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SUMMARY

Backend Software Engineer experienced in building scalable APIs, multi-tenant systems, and AI-powered platforms. Strong in Node.js, Go, PostgreSQL, Redis, and Kafka with production experience in authentication, background processing, and third-party API integrations.

EDUCATION

Vellore Institute of Technology, Bhopal   Expected May 2026
*Bachelor of Technology in Computer Science (**GPA: 8.6/10**)*

EXPERIENCE

SniperThink   Remote
Full Stack & AI Systems Intern | Live Demo | Full Stack Repo | Chat Agent Repo   *Apr 2025 – Dec 2025*

- Built an end-to-end **AI-powered CRM platform** with voice calling (Bolna.ai) and WhatsApp agents, deployed on Railway with **React, Node.js, PostgreSQL (Neon), and Redis**.
- Architected a **chat agent microservice** processing **100k+ messages/minute** using Node.js workers with Redis queues for multi-system scalability, limited only by OpenAI API throughput.
- Designed **multi-tenant architecture** with isolated data, role-based access, and seamless integration framework enabling third-party connectors (TradeIndia via n8n).
- Integrated **Google Auth for calendar booking, Gmail Auth for personalized emails, and Zeptomail**, reducing manual support handling by **60%**.
- Implemented authentication, rate-limiting, and background job pipelines using Kafka and Redis queues, improving reliability and enabling safe multi-tenant onboarding.

Wise Work   Remote
Software Engineer Trainee   *Apr 2025 – Oct 2025*

- Built and deployed Python ML models with feature engineering and API integration, improving accuracy by **15–20%** and enabling real-time backend consumption.
- Worked with text and speech models (TTS pipelines similar to Orpheus-style architectures), integrating inference outputs into backend services via REST APIs.

PROJECTS

File Sharing & Management System   Apr 2025
Go, PostgreSQL, Redis, AWS S3 | Video Demo

- Designed a **secure file-sharing backend** with JWT auth, Redis caching, and concurrent upload handling, reducing metadata latency by **40%**.
- Implemented background workers for async file processing and cleanup, improving upload reliability and preventing resource contention under load.

AI-Powered MCQ Generator   Jan 2025
Node.js, OpenAI API | GitHub

- Built a backend service generating **difficulty-controlled MCQs**, handling **hundreds of requests/day**.
- Implemented prompt orchestration, response validation, and retry logic to ensure consistent output quality and fault-tolerant API behavior.

Time Travel Debugger   Feb 2024
Python | GitHub

- Created a Python library for stepping backward in code execution, inspired by dry runs while solving LeetCode problems. Published on PyPI: `pip install time-travel-debugger`

TECHNICAL SKILLS

Languages: Python, Go, Java, C++, JavaScript
Backend: Node.js, REST APIs, PostgreSQL, MongoDB, Redis, Kafka, Background Jobs
Cloud & DevOps: AWS, Docker, GitHub Actions, GCP, Cloudflare
APIs & Tools: OpenAI API, ElevenLabs API, WhatsApp/Instagram APIs, Git, Postman

LEADERSHIP & ACTIVITIES

Founder, LC/NC Community   Jul 2024 – Present
Low-Code / No-Code Learning Community

- Founded and led a LC/NC community, onboarding **100+ students** through workshops and projects.