

# SAUMAY KILLA

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## PROFESSIONAL SUMMARY

**Full-stack engineer** and **founding engineer** on an AI platform, experienced in building production systems from concept to launch. Demonstrated ability to **cut infrastructure costs 40%** through **serverless AWS architecture** and deliver fast, scalable front-end experiences for 100+ users. Skilled in **React, TypeScript, Python, AWS**, and end-to-end **CI/CD pipelines**. Aiming to apply rapid **MVP development** and strong technical judgment to accelerate growth in early-stage products.

## TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, Python, SQL, C/C++
- **Frontend:** React, Next.js, Redux/Zustand, Tailwind, Responsive Design
- **Backend:** Node.js, Express, FastAPI, Flask, REST, WebSocket, Microservices
- **Database:** PostgreSQL, MySQL, MongoDB, Supabase
- **Cloud/DevOps:** AWS (Lambda, EC2, S3, API Gateway, SQS, Amplify), Docker, CI/CD
- **Tools/Practices:** Git, Agile/Scrum, Jira, Figma, System Design, Livekit Voice Agents

## PROFESSIONAL EXPERIENCE

### HumAlnority

Full-Stack Developer (Founding Engineer)

New York, NY

Sep 2024 – Present

- **Built** scalable AI platform serving 100+ users, owning **frontend, backend, cloud architecture**, and deployment workflows.
- **Cut infrastructure costs 40%** via **serverless AWS Lambda microservices** integrated with **S3, API Gateway, SQS**.
- **Achieved sub-200ms frontend load times** with modular **React+TypeScript**, code splitting, and lazy loading.
- **Developed Python microservices** handling 50K+ monthly API requests with **authentication, rate limiting, and error handling**.
- **Reduced release cycles 60%** by implementing **GitHub Actions CI/CD**, Docker containerization, and automated tests.

### WIZ FREIGHT

Frontend Developer

Chennai, India

Apr 2022 – Jul 2023

- **Rebuilt marketing website** with **React+Tailwind**, improving load speed **40%** and lead conversions **15%**.
- **Developed reusable component library**, reducing feature development time **30%** and standardizing UI.
- **Optimized Redux state management**, cutting redundant network calls **25%** and improving time-to-interactive metrics.
- **Boosted sprint velocity 20%** via cross-functional **Agile collaboration** with design and backend teams.

## NOTABLE PROJECTS & INITIATIVES

### AI-Powered UI Generation

Python, Next.js, AWS, Supabase, Gemini

**Event-driven AI system** generating production-ready UI code. Lambda+SQS scales jobs **3x**; secure artifact storage in S3. Optimized for multi-user concurrency and deployment monitoring.

### Mock Interview Voice Agent

Python, LiveKit, LLMs

Real-time voice-based **interview agent** with automated feedback, reducing prep effort **60%**. Integrated logging and error reporting for reliability.

### Live Ticker Dashboard

Python, Next.js, Playwright

**Live stock tracking dashboard** with sub-2s refresh latency, supporting multiple concurrent tickers and alert notifications.

### AI Segment Analysis Engine

Python, LangChain, Gemini

**Prompt-driven analysis engine** for product and customer insights, accelerating reporting **5x** versus manual workflows. Includes automated summary generation and visualization.

## EDUCATION

### New York University – School of Professional Studies

New York, NY

Master's in Management Information Systems

### SRM University, Chennai, India

Chennai, India

Bachelor of Technology in Computer Science