

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

HumAInority

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