

SAUMAY KILLA

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PROFESSIONAL SUMMARY

Full stack engineer with 3 years building production systems from 0-to-1. Architected and shipped AI platform serving 1,00+ users as founding engineer. Reduced infrastructure costs 40% through serverless architecture. Skilled in React, Python, AWS, and rapid MVP development. Thrive in early-stage environments where speed, ownership, and technical judgment directly impact business outcomes.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, SQL, C, C++
Frontend: React.js, Next.js, Redux, Zustand, Tailwind CSS, Responsive Design, Web Performance Optimization
Backend: Node.js, Express.js, FastAPI, Flask, REST APIs, WebSocket, Microservices Architecture
Database: PostgreSQL, MySQL, MongoDB, Supabase, Database Design
Cloud & DevOps: AWS (Lambda, EC2, S3, API Gateway, SQS, Amplify), Docker, CI/CD, GitHub Actions
Tools & Practices: Git, GitHub, Agile/Scrum, Jira, Figma, System Design, API Development, Livekit Voice Agents

PROFESSIONAL EXPERIENCE

HumAIority

New York, NY

Full-Stack Developer (Founding Engineer)

Sep 2024 – Present

- Architected and launched scalable AI platform from scratch serving 100+ users, owning complete system design including frontend architecture, backend services, cloud infrastructure, and deployment workflows
- Reduced infrastructure costs by 40% by building serverless microservices on AWS Lambda with optimized S3, API Gateway, and SQS workflows, eliminating expensive managed services while improving scalability
- Achieved sub-200ms frontend load times through modular React system with TypeScript, implementing code splitting, lazy loading, and performance monitoring best practices
- Built secure Python microservices handling 50K+ monthly API requests with FastAPI, integrating third-party tools while implementing authentication, rate limiting, and comprehensive error handling
- Reduced release cycles by 60% by establishing CI/CD pipeline with GitHub Actions, automated testing, and zero-downtime deployments using Docker containerization

WIZ FREIGHT

Chennai, India

Frontend Developer

Apr 2022 – Jul 2023

- Rebuilt marketing website with React and Tailwind CSS, increasing load speed by 40% and contributing to 15% improvement in lead conversions through optimized rendering and client-side performance
- Developed reusable component library used across product teams, cutting feature development time by 30% and establishing consistent design system and UI patterns
- Optimized Redux state management architecture, reducing redundant network calls by 25% and improving application time-to-interactive metrics
- Increased sprint velocity by 20% through effective cross-functional collaboration with design and backend teams in Agile environment, consistently delivering features ahead of schedule

NOTABLE PROJECTS & INITIATIVES

- AI-Powered UI Generation:** Built a AI Powered UI Generation tool to generate UI Designs and Codes leveraging Gemini Models to increase and enhance frontend development %
- Mock Interview Voice Agent :** Built a Mock Interview Agent using Livekit agents to practice and prepare for interviews, generating detailed feedbacks to improve upon. %
- Live Ticker Price Tracking Dashboard:** Developed real-time trading dashboard using Playwright and Next.js for live stock data scraping and visualization with seamless multi-ticker performance updates
- AI Segment Analysis Engine:** Created prompt-driven insight generator using LangChain and Gemini APIs, delivering 5x faster business reporting through automated analysis of product, customer, and strategy data

EDUCATION

New York University – School of Professional Studies

New York, NY

Master's Degree in Management Information Systems

Sep 2023 – May 2025

SRM University (Sri Ramaswamy Memorial University)

Chennai, India

Bachelor of Technology in Computer Science

Jul 2018 – Jul 2022