

Sathwik Bairaboina

Senior Full Stack Engineer, AI Workflow Architect

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SUMMARY

I'm a full stack engineer with **8+ years of shipping SaaS**: an IoT car platform, an on-demand vehicle service, an aerospace e-commerce rebuild and a German SaaS platform's data tooling. Today I'm **co-founder of Lego Verse Module**, building AI-driven B2B SaaS on AWS.

So everything I build has the same skeleton. A **deterministic core** owns state, money and limits. The model proposes. A test proves every declared limit holds. I also run **aiiolar**, free tech news and jobs for students in India with a 10k+ audience.

EXPERIENCE

Senior Full Stack Engineer, Co-founder at Lego Verse Module

Aug 2023 to Now

- Architecting an AI-driven SaaS platform: Next.js and Node.js microservices on Lambda, DynamoDB and AWS CDK.
- LangChain and Hugging Face inference automating complex B2B workflows.
- CI/CD on CDK and CloudFormation cut deploy times by 50% at 99.99% uptime.

Full Stack Engineer at Epilot GmbH, Germany

Aug 2022 to May 2023

- Import and export for dynamic platform entities, a Shopify-like model, with Node.js and JSON Schema.
- A Storybook component library with automated tests that caught 95% of UI bugs before release.
- React and Redux performance work that improved load times by 30%.

Senior Software Developer at Aithinkers

May 2021 to Aug 2022

- Led the rebuild of the AeroPartsNow aerospace parts e-commerce front end.
- A real-time dynamic pricing engine on Lambda, DynamoDB and Elasticsearch, with AppSync GraphQL APIs.

Full Stack Engineer at Iolar Technologies

Dec 2018 to Aug 2021

- Architected an on-demand vehicle maintenance platform, web and React Native, with real-time booking and tracking.
- Integrated Google Maps, Razorpay, Plivo and OneSignal; recruited and mentored the engineering team.

Senior Full Stack Engineer at CMAE Technologies

Jan 2017 to Dec 2017

- Backend for an IoT car platform: real-time vehicle data over MQTT and CAN-BUS on AWS.
- Collision detection, overspeed alerts and geofenced theft alerts with MongoDB geospatial queries.

SELECTED SYSTEMS

- **AI Avatara:** Character chat for ages 6 to 17. Every sentence passes a deterministic safety gate before it streams.
- **marketplace:** Multi-tenant commerce where a chat proposes schema changes and the engine adjudicates them.
- **aiiolar.com:** Free tech news and jobs for students in India, refreshed every morning.
- **Laddu:** A voice-first personal assistant. Every action also works with the AI switched off.
- **RakshaQuant:** Agentic NSE paper trading. Agents read the market; a rules engine approves, sizes and places every trade.
- **PersonalAITutor:** A mastery-tracking tutor: per-concept mastery that decays and replays from the attempt log.
- **tollgate:** An OpenAI-compatible LLM gateway in Go: caching, provider fallback, per-key budgets and rate limits, with OpenTelemetry traces.

SKILLS

AI and agents	LangGraph, LangChain, Hugging Face, Ollama, MCP, TensorFlow, NLP
Frontend	React, Next.js, Angular, TypeScript, Redux, Storybook, Micro-frontends
Backend	Node.js, NestJS, Python, Go, FastAPI, GraphQL
Cloud and DevOps	AWS Lambda, CDK, CloudFormation, ECS, Step Functions, Docker, Kubernetes
Data	DynamoDB, PostgreSQL, MongoDB, Elasticsearch, Redis, S3
Mobile	React Native, Ionic

EDUCATION

B.Tech, Computer Science and Engineering, Mahatma Gandhi Institute of Technology (MGIT), Hyderabad