

Aurobindo Patra

AI Full Stack Engineer

Balasore, India

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[Email](#) | [Github](#) | [LinkedIn](#)

EXPERIENCE

Freelance | Full-Stack Development & DevOps Engineer | Remote

Apr 2023 – June 2024

- Delivered 8 end-to-end full-stack applications serving **5K+ users**, improving deployment speed by **40%** using CI/CD pipelines
- Built scalable frontend architectures using **React.js, Next.js, and TypeScript**, improving page load performance by **30%**
- Developed high-performance backend APIs using **Node.js, Express.js, and PostgreSQL**, handling **1K–5K requests/day**
- Deployed and managed production applications on **AWS (EC2, S3)** with Docker, ensuring **99.9% uptime and reliability**
- Automated build and deployment workflows using CI/CD pipelines, reducing manual effort by **50%**
- Led full project lifecycle: client communication, requirement gathering, architecture design, and delivery within deadlines
- **Tech stack** : JavaScript (React.js, Next.js, Node.js, TypeScript), PostgreSQL, Docker, AWS (EC2, S3), CI/CD

AI Full Stack Engineer | Remote

Aug 2024 – Oct 2025

- Built **AI-powered full-stack applications** using LLMs, enabling automation of workflows and reducing manual effort by **50–60%**
- Designed scalable backend systems using **FastAPI and Node.js**, supporting **real-time AI inference and API integrations**
- Implemented advanced **LLM pipelines (RAG, AI Agents)** using LangChain and LangGraph, improving response accuracy and contextual relevance
- Integrated **Hugging Face models and third-party AI APIs**, optimizing inference latency by **30%**
- Developed responsive AI-driven UIs using **React.js, Next.js, and TypeScript**, improving user engagement and interaction
- Designed optimized database systems using **PostgreSQL**, improving query performance by **25%**
- Containerized and deployed applications using **Docker +**

SKILLS

Languages: JavaScript, TypeScript, Go,, Python

Front-end: React.js, Next.js, Redux, Tailwind CSS

Back-end: Node.js, Express.js, FastAPI, Actix, GraphQL,

Databases & Streaming: PostgreSQL, MongoDB, Redis, Elasticsearch, Kafka

AI / GenAI: LLMs, LangChain, LangGraph, OpenAI, Hugging Face, RAG, AI Agents

Data Science: NumPy, Pandas, Matplotlib, Seaborn

DevOps & Cloud: AWS (EC2, S3, Lambda, Route53), Docker, Kubernetes, Nginx, CI/CD

UX/UI Design: Figma, Framer

Others: Git, WebSockets/WebRTC, System Design, Automation

EDUCATION

Academy Of Business Administration, Balasore

BCA | July 2022 – June 2025

ACHIEVEMENTS

- Contributed to 3+ open-source projects, enhancing performance and usability
- Winner of 3 hackathons for building high-impact full-stack and AI solutions under tight deadlines

OPEN SOURCE PROJECTS

1. [AICommitter](#) – AI-powered CLI that generates meaningful Git commit messages, improving developer productivity

AWS, ensuring scalable and production-ready infrastructure

- Focused on **low-latency, scalable AI systems**, improving overall system performance and user experience
- **Tech stack** - TypeScript, React.js, Next.js, FastAPI, Node.js, PostgreSQL, Docker, AWS, LangChain, LangGraph, Hugging Face, GenAI

2. [Genie](#) – Strongly-typed CLI framework for Node.js enabling scalable and maintainable tooling
3. [Bundlify](#) – Rollup-based JavaScript bundler reducing configuration complexity and build time

PROJECTS & VENTURES

Velix | AI Coding Agent Orchestrator

May 2024 - Present [Code](#)

Built a desktop application enabling developers to run multiple AI coding agents (Claude Code, Codex CLI, Gemini CLI, Cursor Agent) simultaneously using isolated Git worktrees, preventing conflicts in the main repository

- Designed a built-in diff viewer and review workflow allowing developers to compare and merge AI-generated code changes safely across parallel tasks
- Implemented real-time agent monitoring and quick context-switching between active workspaces, improving multi-agent development efficiency
- Automated workspace setup and teardown using configurable scripts and environment presets, reducing manual environment configuration
- Integrated Caddy as a reverse proxy for secure local HTTPS streaming between agent workspaces
- Built a scalable, local-first architecture ensuring offline support and high perforCaddy
- **Tech Stack:** React.js, Next.js, Redux, Tailwind CSS, Electron, Node.js, Express.js, FastAPI, Actix, GraphQL, Go, tRPC, PostgreSQL, Redis, Drizzle ORM, AWS (EC2, S3, Lambda, Route53), Docker, CI/CD, Caddy