

Full Stack Developer / Architect (AI Platform)

NovaMind Labs · AI-first SaaS Startup

FULL-TIME · LEAD ROLE

Location: Remote (UTC-5 to UTC+2 preferred)

Experience: 7+ years

NovaMind Labs is a seed-stage startup building an intelligent automation platform that helps teams design, orchestrate, and monitor AI-powered workflows. We're looking for a **hands-on Full Stack Developer / Architect** to lead the engineering of a new AI-focused product line from the ground up.

Angular

React

Python

LangChain

LLM Applications

System Design

Team Leadership

Cloud (AWS / GCP / Azure)

What you'll do

- Own the end-to-end architecture of our next-generation AI workflow platform (frontend, backend, and AI layer).
- Design and implement core services and APIs in **Python**, including integration with large language models via **LangChain**.
- Lead development of responsive, component-based UIs using **React** and/or **Angular**.
- Establish technical standards, code quality guidelines, and best practices for a small but growing engineering team.
- Evaluate and integrate third-party APIs and tools (vector databases, observability, auth, billing, etc.).
- Design for scalability, reliability, and security from day one (caching, rate limiting, observability, RBAC, GDPR-friendly data handling).
- Mentor engineers, perform code reviews, and help grow the team as we scale.
- Work closely with product and design to translate fuzzy ideas into concrete, iterative technical plans.
- Prototype new AI-powered product features and rapidly iterate based on user feedback.

Our stack

- **Frontend:** React, Angular, TypeScript, Tailwind or similar component libraries.
- **Backend:** Python (FastAPI / Flask), RESTful APIs, async design where appropriate.
- **AI & Data:** LangChain, major LLM providers (OpenAI, Anthropic, etc.), embeddings, vector stores (Pinecone, PostgreSQL + pgvector, etc.).
- **Infrastructure:** Cloud-native (AWS / GCP / Azure), Docker, CI/CD (GitHub Actions or similar).
- **Storage:** SQL databases (PostgreSQL preferred), object storage, Redis or similar for caching.

What we're looking for

- **7+ years** of professional software engineering experience, including significant full stack work.
- Proven experience architecting and delivering complex web applications or SaaS products in production.
- Strong proficiency in **Python** for backend / API development.
- Professional experience building SPAs with **React, Angular**, or both.
- Hands-on experience building applications with **LLMs** and frameworks such as **LangChain**.
- Solid understanding of system design, microservices or modular monoliths, and cloud infrastructure fundamentals.
- Comfortable leading projects end-to-end: requirements, design, implementation, testing, and deployment.
- Ability to mentor other engineers and set technical direction while still coding a significant share of the time.
- Excellent communication skills and a product mindset; you care deeply about user experience and business impact.

Nice to have

- Experience at an early-stage startup or in a small, fast-moving engineering team.
- Background with prompt engineering, evaluation of LLM quality, and guardrail techniques.
- Familiarity with event-driven architectures and streaming (e.g., Kafka, Pub/Sub).
- Experience with modern testing practices (unit, integration, e2e) and observability (logging, metrics, tracing).
- Security-minded development experience (OAuth2/OIDC, JWT, data encryption, secure secrets management).

What we offer

- Competitive salary plus meaningful early-stage equity.
- Remote-first culture with flexible working hours.
- Significant ownership and autonomy over technical decisions and product direction.
- Budget for hardware, tools, and learning (conferences, courses, books).
- Opportunity to build and lead a high-impact engineering team around you.

About NovaMind Labs

NovaMind Labs is an AI-native startup focused on helping teams safely and reliably deploy AI into critical business workflows. We believe that the next generation of software will be co-piloted by AI, and we're building the tools that make this transition practical, observable, and secure.

Interested? Send your resume, GitHub/portfolio links, and a brief note about a system you've architected to careers@novamindlabs.com.

[Apply via Email](#)

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Not an exact fit? Reach out anyway at careers@novamindlabs.com.