

Klajdi Kolaj

Senior Full-Stack Engineer | AI/LLM Systems | Internal Tools & Automation

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SUMMARY

Full-stack engineer with 7+ years of experience building production software across SaaS, automation, infrastructure, and AI-enabled products. Strong in React/Next.js, TypeScript, Node/NestJS, Go, and PostgreSQL. Comfortable owning work end-to-end, from ambiguous workflows and API design to reliable UIs, integrations, data pipelines, and operational tooling. Recent work includes geospatial platforms, multi-tenant provisioning systems, and long-horizon LLM/agent architectures focused on reliability, state, and evaluation.

CORE SKILLS

Frontend: Next.js (App Router), React, TypeScript, TailwindCSS, Vue/Nuxt

Backend: Node.js, NestJS, Go, REST APIs, GraphQL, PHP

Data / Infra: PostgreSQL, Supabase, Prisma, PostGIS, Docker, CI/CD, Azure DevOps

AI / LLM: OpenAI and Anthropic APIs, agent orchestration, runtime state design, structured prompting, AI-assisted testing/debugging

Systems: Internal tools, automation workflows, multi-tenant platforms, integrations, performance tuning

SELECTED AI & PLATFORM PROJECTS

Eternia - Personal AI Systems Project

Ongoing

- Designed a long-horizon agent architecture that separates model behavior from durable memory, world rules, runtime state, and governance boundaries.
- Built system patterns for persistence, context compression, task queues, decision logging, and human-in-the-loop control across sessions.
- Added structured operational artifacts such as world status, agent registry, and decision logs to keep the system inspectable and easier to steer.
- Focused on reliability questions relevant to production AI systems: long-context coherence, failure modes, evaluation, and reusable interfaces between humans and agents.

PortalOps - CDLAN / ISP Provisioning & Partner Portal

2024 - 2026

- Built an operations portal and automation layer for customer and partner onboarding, tenant provisioning, billing sync, and credential lifecycle management.
- Translated messy operational workflows into reusable APIs, dashboards, and multi-tenant automation spanning Appsmith, Hostbill, Timoo, and n8n.
- Designed partner and customer hierarchy models and provisioning handoffs so operators could manage multiple tenant types from one internal workflow.
- Reduced manual setup work by turning one-off provisioning steps into auditable, repeatable flows with clearer status tracking and handoffs.

WORK EXPERIENCE

Full Stack Developer (Contract) - Mars / PgFlow GIS

03/2026 - Present

GIS, PostgreSQL/PostGIS, data pipelines, web APIs

- Designed Postgres/PostGIS schemas, spatial indexes, and query strategies for production geospatial workloads.
- Built APIs and internal tooling to ingest, validate, and serve geospatial datasets with strong performance and data quality.
- Used AI tools to accelerate refactors and debugging while keeping changes reviewable, testable, and production-safe.

Full Stack Developer (Contract) - VSL Platform

02/2026 - Present

Next.js (App Router), TypeScript, integrations, performance

- Built conversion-focused product surfaces and core user flows in Next.js, improving performance, resilience, and edge-case handling.
- Implemented backend APIs and third-party integrations; added pragmatic smoke testing and stronger validation around critical paths.

- Refactored AI-generated code into smaller, reusable modules with clearer boundaries and safer architecture.

Full Stack Developer - CDLAN (ISP Platform)

06/2023 - 03/2026

Go microservices, PHP backend, React/Vue frontends

- Built automated provisioning across Appsmith, Hostbill, and Timoo for tenant creation, credential handling, and onboarding flows.
- Developed partner and customer hierarchies, internal dashboards, and billing integrations for a multi-tenant ISP platform.
- Orchestrated n8n workflows for credential mapping, notifications, and operational handoffs; deployed services with Docker, Postgres, and CI/CD.

Full Stack Developer - Lava (Decentralized RPC Gateway)

06/2022 - 05/2023

React/Next.js, Go services, NestJS APIs, real-time dashboards

- Shipped dashboards for node statistics, network health, and usage metrics using React/Next.js and TailwindCSS.
- Built Go telemetry services and NestJS APIs for real-time data delivery and monitoring.
- Implemented caching and pagination patterns for large datasets and responsive UX.

Backend Developer & Integration Engineer - Siemplify (Google)

03/2020 - 06/2022

SOAR platform, integrations, automation, testing

- Developed backend integrations and automation logic for security workflows and third-party systems.
- Improved reliability through automated integration testing and orchestration-pipeline hardening.
- Worked on production integrations where correctness, observability, and failure handling mattered.

Full Stack Developer (Client Work) - Atrax & Clients

01/2019 - 05/2022

- Delivered web applications across fintech, lending, and business workflows using Ionic/Angular, React, ASP.NET, .NET Core, and SQL Server.
- Worked across frontend, backend, and database layers in fast-moving client environments.
- Selected work: BoXX, EZLend, Flerish, Chimpad.

ADDITIONAL PROJECTS

OpenClaw - Agent Operations Layer (supporting project for Eternia)

Ongoing

- Implemented an operations layer for multi-agent workflows, research ingestion, task orchestration, and human-AI interaction.
- Coordinated sessions, task routing, and structured agent roles to make persistent AI workflows easier to operate and inspect.

Pro Traders Fund - Selected Product Project

03/2024 - 09/2024

NestJS, Prisma, React, PostgreSQL

- Built product features for a trading-related platform spanning backend services, frontend flows, and database-backed admin tools.
- Worked on KYC and authentication flows together with internal admin tooling.

EDUCATION & CREDENTIALS

BSc in Computer Science - Universita degli Studi di Siena, Siena, Italy | 2007 - 2013

Languages: Albanian (Native) | English (C1) | Italian (C2)

Certification: Microsoft Certified Professional (MCP)