

Ismajl Ramadani

Senior Full-Stack Engineer · AI & Data Platforms

Pristina, Kosovo · Remote (CET, UTC+1) · Open to full-time remote roles or B2B contract
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SUMMARY

Senior full-stack engineer with 11+ years building software, most recently SaaS products end to end: TypeScript/Node.js and React on the front and back, Go and Python services, AWS and Kubernetes in production. Recent work covers AI features used by real customers (RAG, tool-using agents), IoT time-series pipelines on ClickHouse, security data platforms, and EU Cyber Resilience Act compliance. Comfortable owning architecture, shipping, and working directly with founders and non-technical stakeholders.

EXPERIENCE

Senior Software Engineer (B2B contractor) · Independent contract engineering Jan 2022 - Present
Remote · Engagements with product companies, working as an embedded member of each engineering team.

Thermonova (part of Solar.eu) · Lead Software Engineer, owning all software, DevOps and infrastructure · Apr 2023 - Present

- Rewrote the legacy platform into three React apps (staff portal, customer dashboard, webshop) on 100+ AWS Lambda functions with DynamoDB, Cognito and S3, and run all of its infrastructure and CI/CD.
- Built the IoT pipeline for a fleet of 400+ heat-pump controllers and 180+ gateways, from AWS IoT Core to a self-hosted ClickHouse store of 29 billion rows.
- Built the company's EU Cyber Resilience Act compliance platform at an estimated tenth of the cost of outsourcing it. It covers the product registry, signed SBOMs and Dependency-Track vulnerability triage.
- Added Article 14 reporting to the CRA platform, matching CISA KEV and ENISA exploited-vulnerability feeds against products on the market, plus a PSIRT inbox and a locked evidence store.
- Built the ops console for the whole platform, covering Lambda errors and latency, queues and scheduled jobs, ClickHouse health, ingestion freshness, and uptime/TLS checks with email alerts.
- Built an internal AI assistant over refrigeration standards, combining graph and vector RAG (Neo4j, Qdrant) with a FastAPI service streaming Claude on AWS Bedrock. Every answer cites the exact clause.
- Built the Heatpump Diagram Builder (React Flow), and let the dashboard query ClickHouse directly with per-customer row policies.

Cybee.ai · Senior Backend Engineer · Jan 2024 - Jun 2026

- Built backend services for a cloud-security / EDR SaaS on Node.js and Fastify, with MQTT workers processing endpoint telemetry into MongoDB and Elasticsearch.
- Designed and built Cloud Guard, a customer-deployed Go agent that collects audit logs from Google Workspace, Microsoft 365, GitHub and Slack. Deployed on Kubernetes via Argo CD.
- Built "Cybee CISO", an in-product AI assistant with 14+ tools over each customer's security data, RAG over the activity log, and layered prompt-injection defences.

Vinden.se, OpenCybernetics, Appins.io · Backend and AWS Consultant · Jan 2022 - Mar 2023

- Designed AWS backends for Vinden.se, built a Web3 trading dapp (xfai.com) for OpenCybernetics, and a no-code builder for internal tools at Appins.io.

Lead Software Engineer · Butler Hospitality

Feb 2021 - Jan 2022

Remote (New York, US)

- Mentored squad leads and engineers, and drove OKRs, code-review standards and internal tech talks.
- Built Aphrodite, a shared accessible React component library used across the company's apps.
- Built the Demeter and Artemis core services for dynamic ordering options, on the company's main revenue path.
- Contributed to Butler Platform, the internal framework teams used to build new applications.

Senior Software Engineer · Polymaths

Dec 2019 - Jan 2021

Remote (New York, US)

- Built HubSync, a productivity platform for CPAs that moves tax workflows into one digital process.
- Worked in a 5-engineer team on React Native apps and backend services for the U.S. Anti-Doping Agency (USADA).

Full-Stack Engineer · Ornio AS

Feb 2019 - Mar 2020

Remote (Oslo, Norway)

- Built the three React dashboards and public pages for Tipio.no, a group-buying marketplace, with three engineers and a designer.
- Built the Node.js backend services behind the Tipio frontend.
- Created an in-house localisation system (React, Node.js) used by all frontend and backend apps.

Full-Stack Engineer / Consultant · Independent consulting

Jul 2016 - Jul 2018

Remote

- Built a multi-tenant website and online-store builder powering 2,000+ professional websites.
- Built a vertical full-text search engine, from bulk ingestion and indexing workers to the search API.
- Coached six summer interns and launched an apprentice programme for new joiners.

Software Engineer · iziSurvey

Dec 2014 - Jul 2016

Remote (Detroit, US)

- Built features for the core web app and backend services of a survey tool used by researchers and academics.
- Developed the offline mobile app used to run surveys in the field.

SKILLS

Languages	TypeScript, JavaScript, Go, Python, SQL
Frontend	React, React Native, Flutter, Zustand, Tailwind CSS, Ant Design, React Flow
Backend	Node.js, Fastify, GraphQL, FastAPI, BullMQ, Temporal, MQTT
AI / LLM	RAG, tool-using agents, AWS Bedrock (Claude), OpenAI, Gemini, Vercel AI SDK, LangChain, Qdrant, Neo4j
Data	PostgreSQL, ClickHouse, DynamoDB, MongoDB, Redis, Elasticsearch
Cloud & DevOps	AWS (Lambda, IoT Core, S3, Cognito, CloudWatch, Textract), Kubernetes, Argo CD, Docker, CI/CD
Security & compliance	EU Cyber Resilience Act, SBOM, Dependency-Track, vulnerability management, PSIRT

PROJECTS & OPEN SOURCE

- **Zen365.ai (co-founder):** A business platform that SMBs in Kosovo use to run their day-to-day operations. I built the Fastify + GraphQL backend on PostgreSQL, the React console, the Flutter mobile apps, the POS, the tax-authority integration, and the AI assistant and invoice pipeline. (zen365.ai)
- **Aura:** An AWS cloud security posture platform in Go. 24 scanners and 83 Starlark rules cover 19 AWS services, with real-time CloudTrail ingestion over SQS, finding lifecycle and SLA tracking, Slack and PagerDuty alerts, and a React dashboard. Runs on ECS Fargate.
- **coding-agent:** A coding agent in Python built from scratch on Gemini, with tool calling, streamed reasoning, sessions, plan/execute mode and a Textual TUI. (github.com/ismajl-ramadani/coding-agent)
- **kwatch-ebpf:** eBPF observability tooling in Go, with a Python test suite. (github.com/ismajl-ramadani/kwatch-ebpf)
- **Dart Engine:** An open-source API protocol with a Go implementation for quickly building APIs.
- **Img Server:** A Go image server that resizes and transforms images on the fly behind pre-signed URLs.

EDUCATION & LANGUAGES

Computer Science, Universum College, Pristina, Kosovo
Albanian (native) · English (professional)