

Volodymyr Voleniuk

Senior Full-Stack Engineer (specializing in AI/LLM Integration) Remote from Poland | hypeofpipe+job@gmail.com | linkedin.com/in/volodymyr-voleniuk

Summary

A Senior Full-Stack Engineer with over 7+ years of experience architecting and deploying robust, scalable microservices and cloud-native applications. I specialize in the Node.js ecosystem and leverage advanced **Generative AI** (GPT, Claude, Gemini) to optimize development and improve developer workflows. As a **Certified Kubernetes Application Developer (CKAD)**, I possess deep expertise in containerization, AWS, and building resilient, production-ready systems.

Experience

Novo Nordisk | Platform Engineer Oct 2024 - Present

- Architect and develop full-stack plugins (**React, Node.js**) for a company-wide **Backstage.io** developer platform; a key plugin I developed is now one of the most widely adopted by our internal teams.
- Improve developer productivity and streamline workflows by leveraging advanced **Generative AI** (e.g., GPT, Claude, and Gemini models) for code generation, review, and optimization.
- Manage and extend the platform's **Kubernetes (k8s)** infrastructure and automate **CI/CD** pipelines (GitHub Actions) to ensure high availability and reliability.
- Significantly improved deployment reliability by introducing a comprehensive **unit testing** suite and enhanced developer operations with custom automations and scripts.
- Benchmarked and optimized the platform's **Elasticsearch**-based search engine, improving performance and result relevance.

Flip (E-commerce) | Backend Engineer Mar 2023 - Apr 2024

- Under NDA. Architected and developed high-traffic backend services for a major US-based e-commerce platform, focusing on scalability.
- Engineered RESTful APIs and asynchronous workers using **Node.js (Nest.js)** and integrated with multiple third-party services (e.g., Shopify and related products).
- Developed event-driven microservices.

Netguru | Senior Node.js Developer Feb 2019 - Mar 2023 *Promoted from Junior and mid-level developer roles based on technical leadership and project impact.*

- **Project: ADN (French Anime Streaming Platform):** Architected the backend migration for a high-traffic platform (300k daily users) from legacy PHP to a modern, scalable **Node.js** microservice architecture on **AWS**.
 - Developed new backend endpoints using **TDD** principles and led the migration of the JavaScript frontend to **TypeScript**, significantly reducing runtime errors.
 - This re-architecture resulted in a **40% improvement** in request processing time.
 - Synthesized solutions across teams, collaborating with Backend, Frontend, and DevOps on **GitLab CI/CD** pipelines.
- **Project: Panion (EV Fleet Management):** Owned features end-to-end for a complex EV charger management platform.
 - Engineered a complex Gantt chart UI using **React** to manage the asynchronous state for thousands of data points and built its supporting **Node.js** APIs.
 - Built a robust **ETL pipeline** to ingest and process partner EV data (charge status, arrival times).
 - Collaborated directly with the **Amazon AWS** team to implement and polish cutting-edge **AWS CDK** (TypeScript) for infrastructure as code.
- **Project: Moonfare (FinTech):** Contributed to core frontend and backend features as a junior and mid-level

developer.

Skills

- **Backend:** Node.js, TypeScript, Express.js, Nest.js, Fastify, TypeORM, PostgreSQL, MongoDB, Elasticsearch, RabbitMQ
- **Frontend:** React.js, Redux, HTML5, CSS3
- **DevOps & Cloud:** AWS (ECS, S3, CDK, Lambda), Kubernetes, Docker, Helm, GitLab CI/CD, GitHub Actions, Microsoft Azure (conceptual)
- **AI & LLMs:** Prompt Engineering, AI-Assisted Development (VSCode Copilot, MCPs, Agents.md), API Integration (GPT 3/4/5, Claude 3.5/4.5, Gemini 2.5 Pro)
- **Testing:** Cypress.io, Jest, Unit & Integration Testing, TDD

AI & Personal Projects

- **Nano-LLM:** Built and trained a micro-LLM from scratch based on the works of Ivan Franko, following Andrej Karpathy's "nano-GPT" methodology (see GitHub: <https://github.com/hypeofpipe/ivan-franko-nano-gpt>).
- **RAG Implementation:** Developed several RAG (Retrieval-Augmented Generation) applications using OpenAI tutorials and open-source models (see GitHub: https://github.com/hypeofpipe/qa_openai_tutorial).
- **Local AI Deployment:** Deployed and experimented with various local models (e.g., Mistral 7b, Gemma 3, Llama 3 and others via Ollama) and generative tools, including Stable Diffusion and open-source voice cloning.
- **Research:** Researched and implemented services using **LangChain** and managed **Vector Databases** (e.g., Pinecone).

Certifications & Education

- **Certified Kubernetes Application Developer (CKAD)** - The Linux Foundation
- **Bachelor of Engineering, Computer Programming** - University of Information Technology and Management, Rzeszow (2016-2020)