

Aliaksandr Haurusiou

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Summary

Senior Node.js Software Engineer with 5+ years of experience architecting and delivering complex solutions like smart APM and card payment routing and cascading. Repeatedly raised engineering standards via high-impact developer and platform tooling improvements, such as CI/CD overhauls and monorepo adoptions

Skills

- **Backend:** Node.js, TypeScript, NestJS, Express.js, AWS, Kubernetes, Microservices, MySQL, MongoDB, Redis, Kafka
- **Tooling and DevOps:** GitLab CI/CD, GitHub Actions, Turborepo, Nx, Docker, Compose, Bash

Experience

- **BrainRocket** Cyprus
Senior Backend Developer, Payment Gateway Jul 2024 – Present
 - **Smart Payment Routing Architecture:** Architected and implemented the new payment flow for APMs and cards that used a rule engine for smart routing. The new flow enabled sharing routing rules, PSP limits and credentials across multiple merchants, reducing the workload of the back-office operators. Merchants who migrated to the new flow saw improved payment success rates
 - **Card Payments Cascading:** Introduced cascading into the smart routing payment flow in response to the company's primary card payment provider offboarding high-risk merchants, enabling the switch to our in-house solution with no payment performance drop and reduced processing fees
 - **GraphQL Schema Stitching:** Designed and defended a solution to use GraphQL schema stitching on the back-office API to replace hand-written resolvers that were overwriting field selections and causing OOM crashes. The implementation halved the code in the back-office codebase, and reduced OOM crashes by 90%
 - **CI/CD Simplification:** Rewrote a ~5000 line GitLab CI/CD config into ~500 lines by using job templates and child pipelines. Setting up a new deployment went from needing 20+ new jobs across multiple stages to just a single one. Deploys became a one-click operation
- **Rockwell Automation** Czech Republic
Senior Software Engineer, UI Library Mar 2023 – Jun 2024
 - **UI Library Adoption Simplification:** Built Angular update schematics backed by ts-morph to automate breaking change migrations in the enterprise-wide UI library, reducing version lag across 50+ downstream projects
 - **Build Performance Improvements:** Migrated the project from an Angular workspace to an Nx monorepo with a custom esbuild-based build executor with entrypoint-level caching, resulting in 2x faster build times
- **IBM** Czech Republic
Backend Developer, Cloud Solution CPQ App Jul 2022 – Feb 2023
 - **Eager MongoDB Migrations:** Replaced lazy MongoDB migrations without schema versioning with eager bulk migrations, resolving frequent data corruption issues and improving code readability
 - **Intern Tutoring:** Tutored an intern looking to lateral from sales, following a principles-first curriculum covering material from the YDKJS book series, the basics of functional programming, and the internals of React. They landed a SWE job at Merck
- **ThinkEasy** Czech Republic
Full Stack Developer Dec 2020 – Jul 2022
 - **Crypto Trading System Solution Architecture:** Architected and built the foundational components of a microservice-based NestJS crypto trading system, structuring it around functional reactive programming. Trading strategies were implemented as pure functions over streams of price and order data, making them reusable in backtests as-is. The system went live after my departure and handled real trading activity
 - **Junior Staff Mentoring:** Onboarded and mentored a developer at the start of their career. Taught them how to use tools like Postman, the basics of shell scripting, the basics of CI/CD, and coding best practices. In a year, they were the lead developer on 3 other projects

Certifications

- **AWS Certified Solutions Architect – Associate (SAA-C03):** [Credly](#)

Education

- **University of Finance and Administration (VŠFS)** Czech Republic
Bachelor of Arts in Economics and Management
 - **Thesis:** [Examining technical analysis-based strategies in Forex and Crypto markets](#)

Languages

- **English:** Bilingual
- **Russian:** Native
- **Czech:** Upper Intermediate