Andrei Visan

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SUMMARY

Cut production defects **90%** and accelerated release cycles **50%** across telco- and fintech-grade systems (Swisscom, KPN, Adyen, ING). Full-stack polyglot (Java, Python, Go, Rust, TypeScript) now leading a **6-engineer** squad and previously guided **8+** person teams through AWS + Kubernetes migrations serving ≈ **1M monthly users**. Creator of a niche **1k-subscriber YouTube channel** (flagship video **30k views**) that led to **3 Apress courses** and multiple 10k+ tutorials. Author of **"Quantum CLI"** (Go) enabling secure local LLM chat. Committed mentor—several direct reports have earned senior promotions.

EXPERIENCE

Tech Lead (promotion)
Swisscom   September 2024 - Present
· Lead a **6-engineer** cross-functional squad delivering B2B analytics products with **99.95% uptime**.
· Defined quarterly OKRs and architecture guardrails; **cut incident MTTR > 30%** via blameless post-mortems and SLO dashboards (Prometheus, Grafana).
· Optimised **JOOQ-generated SQL queries** and modularised the Java service layer (Factory, Strategy patterns), **reducing average endpoint latency > 35%** and **shrinking new-feature lead-time 40%**.

Senior Software Engineer
Swisscom   November 2022 - September 2024, Bern, CH
· Spearheaded system enhancements as Back-end Lead, **reduced post-release defects 90%** and **cut release cycles 50%** through effective implementation of design patterns.
· Elevated code quality to enterprise standards and ensured robustness by integrating appropriate data structures, algorithms, and comprehensive tests, reduced latency **75% for 100k** monthly users.
· Fostered team development and continuous improvement by conducting educational sessions on implemented changes, thereby ensuring the team's proficiency with the new, more efficient methodologies **within 3 months**.

Senior Software Engineer
KPN B.V.   May 2017 - November 2022, Amsterdam, NL
· Launched the **green-field KPN.com 2.0** platform (Python 3 + FastAPI, Vue 3, TypeScript) that now handles **1M daily requests** with 99.9 % SLO.
· Helped on-prem → AWS migration (EKS, RDS, CloudFront), **saving > €100 k/yr infra cost** and enabling blue-green deployments (<10 min rollback).
· Managed an **8-engineer** scrum team; embedded TDD & SOLID guidelines, lifting unit coverage → 85%.
· Kept legacy Java 11 / Oracle stack stable during transition, driving **15% page-speed improvement** through caching & DB indexing.

Android Expert Engineer
ADYEN   June 2014 - May 2017, Amsterdam, NL
· Designed and shipped the **Adyen POS Android app & SDK**, now integrated by **400+ enterprise merchants** and processing > **€40 Bn/yr** in transactions.
· Built asynchronous networking layer (Netty-based async HTTP Server) that **cut checkout latency 40%** on low-bandwidth links.
· Hired and onboarded 4 mobile engineers; established CI pipeline (Gradle + CI/CD) and release automation to Google Play Private Channel.

Lead Software Engineer
ING BANK   December 2011 - June 2014, Amsterdam, NL
· Headed a **6-engineer** full-stack team delivering internal risk-analytics portal (Java 8, Spring Boot, Angular), reducing report generation time **60 → 8s**.
· Partnered with product & compliance to integrate OAuth2 SSO and audit logging, delivered 3 months ahead of PSD2 deadline.
· Instituted peer-code-review culture; defects in UAT dropped **35%** within two quarters.

Senior Software Engineer
OMNISOURCE TECHNOLOGIES   May 2010 - December 2011, Bucharest, RO
· Delivered SaaS order-management suite (Java 6, PHP, jQuery) for 3 EU retailers; **cut manual order handling 70%**.
· Acted as client-facing tech lead, translating business specs into sprint backlogs.

Senior Software Engineer
ALTEN GROUP   May 2008 - May 2010, Bucharest, RO
· Built customer-portal modules (Spring, MySQL) for French telecom, enabling **> €10M self-service upsells**.
· Liaised with Paris stakeholders; earned 100% sprint acceptance over 12 months.

PROJECT

YouTube channel

YouTube · www.youtube.com/c/programminglifeio

· Technical channel where I post weekly free Software Development courses and tutorials.

Quantum CLI

github.com/andreivisan/quantum_cli · December 2024 – January 2025

· Quantum CLI is a versatile command-line interface tool that aims to be a developer's swiss army knife, combining both AI and traditional development tools (in the future). At its core, it simplifies the use of Chain of Thought AI models through Ollama and LangChain, making them available offline and directly in your terminal. Our vision is to create a comprehensive toolkit that enhances developer productivity by providing easy access to AI capabilities alongside essential development features. The tool prioritizes offline availability, speed, and ease of use, making it a reliable companion for both AI-assisted tasks and traditional development workflows.

Published online course Creating a Spring Boot REST API with iPad Pro and Raspberry Pi 4

Apress and Springer Link · link.springer.com/video/10.1007/978-1-4842-8060-7

· An Apress and Springer Link course that will help you build a complex web application using only your iPad and Raspberry Pi.

Published online course Securing a Spring Boot REST API Using Spring Security with iPad Pro and Raspberry Pi 4

Apress and Springer Link · link.springer.com/video/10.1007/978-1-4842-8059-1

· An Apress and Springer Link course which is the part 2 of the REST API, which handles security using only your iPad and Raspberry Pi.

Published online course Front-End Development with iPad Pro and Raspberry Pi 4

Apress and Springer Link · link.springer.com/video/10.1007/978-1-4842-8061-4

· An Apress and Springer Link course which is the part 3 of the REST API, which handles the front-end of the REST API using only your iPad and Raspberry Pi. Built with ReactJS and TailwindCSS.

EDUCATION

B.A in Computer science

Faculty of Cybernetics, Statistics and Economic Informatics · Bucharest, Romania · 2007

SKILLS

Programming Languages: Java, Python, Go, Rust, Typescript

Frameworks & Technologies: Spring Boot, FastAPI, NextJS, NodeJS, ExpressJS, VueJS, ReactJS, TailwindCSS, Android SDK, MySQL, PostgreSQL, Oracle DB, AWS, Bash, Git, Docker

Tools: Cursor AI, GitHub Copilot, JetBrains IntelliJ Idea, Neovim(Lua), GitHub Actions, GitLab CI, Jenkins CI/CD, Prometheus, Grafana, gRPC, Protocol Buffers, GraphQL, OpenAPI/Swagger Codegen

Languages: English (Full Professional Proficiency), French (Intermediate), Italian (Intermediate), Romanian (Native)