



LUDOVÍT LUČENIČ

Software Consultant, Architect & Lead Engineer

CONTACT

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SKILLS

- Software Architecture
- Business Analysis
- FinTech / Forex
- Software Design
- Data Analysis
- Database Design
- Visualised Infrastructure
- Technical Leadership
- Team Leadership
- Critical Thinking / Discovery
- Attention to Detail
- Project Management

LANGUAGES

- Slovak (Native)
- English (Fluent)
- German (Fluent)
- French (Basic)
- Czech (Native-like)



PROFILE

Senior software architect and engineer with 20+ years of experience and involvement in more than 40 projects across FinTech, utilities, and trading domains. Specialised in solution architecture, platform development, and entropy control in complex systems. Passionate about building tools that elevate software engineering productivity.

Author, architect and lead implementer of the Arinas platform - a tree-based development and runtime environment in D language, featuring direct architecture programming, LeS DSL, and dynamic customisation. Successfully deployed in 6+ years of FinTech production, enabling unprecedented control over architectural layers and requirements implementation. Used successfully in 3 commercial projects.

Thought Machine Vault Core certified Professional Engineer. Currently upskilling in Kotlin/Spring Boot and Python for modern FinTech stacks.



WORK EXPERIENCE

Digital Orchestra, s.r.o. 2013 - PRESENT
CEO, Software Consultant, Architect & Engineer

- providing software engineering and computer services in the area of software development and software development process support
- supporting partners in software development, requirements analysis and solution design, communication with clients, team leading, infrastructure, programming (Slovakia, Austria, Germany, UK)

Vacuumlabs Bohemia, s.r.o. 2025 - PRESENT
Software Architect in FinTech and Banking

- Thought Machine professional for Vault Core core banking system,
- software analyses, design of process optimisations, exploration of possibilities for AI-assisted analysis and software development

Kedros, a.s. 2015 - 2016
Associate Software Architect and Technical Project Lead

- Crafting software architecture design blueprints, maintaining logical and physical data models, defining technical tasks for development, and monitoring production system performance
- nation-wide projects in domains: energetics, transport

CNS Soft, s.r.o. 2013 - 2015
Senior Software Engineer, Software Analyst and Developer

- Software analyst and programmer for customer projects in DACH region



WORK EXPERIENCE - CONT'D

JUMP soft 2011 - 2013

Senior Team Leader

- project and team management, mentoring team members,
- design and implementation of a platform for configuration-oriented programming paradigm (basic module set and IDE),
- development environment administration,
- analyses, design and implementation of software delivery for customers (USA, Slovakia)



PROJECTS

Complex Information System for Securities firm 2018 - 2025

Delivery Contractor and Maintainer

- full-cycle delivery: domain analysis, architecture design, implemented on the Arinas platform, hw/sw provisioning and maintenance
- complex trading ecosystem: PWA app, back-office, portals

Trading Algorithms Simulator 2022 - 2023

Lead Software Architect & Implementer

- analysis, solution design, development and maintenance of a simulation system evaluating automated trading algorithms

eMDMS 2015 - 2016

Senior Software Architect

- architecture and technical management of complex smart metering system design in the utilities segment (electricity)

Electronic Tolling System 2009 - 2010

Software Analyst

- analysis, design and delivery assistance for the Electronic Tolling System - nationwide project, Slovakia

Schengen VIS 2006 - 2007

Business Analyst

- analysis and design of the national VIS system (a part of the national gateway to Schengen IS dealing with issuing of visas), Slovakia



EDUCATION

Master of Engineering 2004 - 2006

Software Engineering | Slovak University of Technology

completed with honours

Bachelor of Engineering 2000 - 2004

Informatics | Slovak University of Technology

completed with honours

TECHNICAL SKILLS

- D
- Debian Linux / Z Shell
- Java / Servlets
- SQL / PostgreSQL
- UML / Draw.io
- w2ui / Vue.js / Onsen UI
- Proxmox VE / Proxmox BS
- Jira / Confluence
- Bitbucket / Bamboo (CI/CD)
- Python
- Cursor / IDEA / pyCharm
- Enterprise Architect
- C, C++, C#
- HTML / CSS
- JavaScript
- Node.js
- Assembler x86

CERTIFICATIONS

- **Thought Machine Vault Core**
 - Fundamentals (2025)
 - Professional Engineer (2025)

SUCCESS STORY

Arinas Platform:

“Self-developed tree-based platform with direct architecture programming and entropy control. Production use in FinTech over 6 years, 3 commercial projects.”