

# Nikolai Zalivatskii

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## IT Generalist & Finance Student

### Experience

**Binom GmbH** Vienna, 2022–2024  
*CEO & IT Infrastructure Lead*

- Founded and scaled an oyster bar in Vienna's 1st district, managing procurement, staffing, compliance, and daily operations.
- Designed and deployed full infrastructure: Wi-Fi/LAN, kitchen printers, POS ordering and warehouse management, and Google Workspace integration.
- Ensured resilience through a hybrid on-prem/cloud approach — the cafe remained fully operational during the 2024 CrowdStrike outage while competitors were forced to close.

**UBI Pilot Project Yalland** Russia, 2017–2019  
*Solution Architect*

- Led technical architecture for Russia's first private Universal Basic Income pilot, linking blockchain (Web3) with traditional Web2 systems.
- Designed wallet, digital identity verification, and role-based admin panel to handle payments and participant management.
- Coordinated developers and field teams; delivered integration guidelines that enabled the pilot to run successfully with hundreds of participants.

**Ethereum GPU Mining Farm** Kaliningrad, 2015–2017  
*System Administrator*

- Built and operated a 500-GPU compute cluster, including hardware deployment, overclocking, cooling, and power management.
- Configured networking and monitoring systems to maximize uptime and performance in a high-load environment.
- Developed troubleshooting and recovery runbooks, reducing downtime and ensuring stable operations of large-scale infrastructure.

**Research Collaboration** Vienna/Remote, 2023  
*Deep Learning Support (Medical Imaging)*

- Assisted MSc research of Tamerlan Usufov (now PhD, Charles University, Prague) on MRI-based brain cancer detection and classification.
- Helped fine-tune Convolutional Neural Networks (CNNs) for tumor detection, optimizing preprocessing pipelines and hyperparameters.
- Contributed code and experiments that improved model accuracy and robustness for medical imaging tasks.

**tinydinosaurs.eth** Remote, 2021  
*DAO Initiator & Governance Architect*

- Implemented decentralized treasury management with a community Gnosis Safe and set up community voting via Snapshot.
- Proposed and documented a metagovernance framework for decision-making and contributor coordination.
- Gained hands-on experience with DAO tooling and Ethereum governance practices, though the project did not continue after the NFT market collapse.

### Profile

IT generalist and solutions architect with a track record of building resilient infrastructure from the ground up — from scaling a 500-GPU compute farm to integrating hybrid cloud/on-prem systems that kept a business online during major outages. Skilled in Linux, networking, and cloud-native tooling, with experience spanning blockchain integration, DAO governance, and applied ML. Currently pursuing an MSc in Banking & Finance (University of Vienna), focusing on quantitative methods, market microstructure, and econometric modeling, to combine technical depth with domain expertise in fintech and data-driven research.

### Skills

**Platforms/Infra:** Linux (Fedora, Arch, Ubuntu, Proxmox) ▪ Docker ▪ Kubernetes ▪ systemd ▪ Git

**Networking/Security:** VPNs (WireGuard) ▪ TLS hardening ▪ SPF/DKIM/DMARC ▪ DNSSEC ▪ iptables ▪ firewalling/monitoring

**Cloud/Data/ML:** AWS (Cloud Practitioner) ▪ Python ▪ NumPy ▪ pandas ▪ scikit-learn ▪ TensorFlow/Keras ▪ SDMX ▪ PostgreSQL

**Monitoring/Automation:** Prometheus ▪ Grafana ▪ scripting (Bash/Python) ▪ infrastructure automation basics

### Education

**University of Vienna** Austria, 2024–present  
*MSc Banking & Finance*

*Specialization: Research in Financial Markets.* Seminar thesis: LOB-STER dataset—volatility prediction (10ms–10s) via econometrics (Python, pandas, scikit-learn, statsmodels).

**University of Westminster** UK, 2019–2023  
*BSc Finance*

Awarded degree after completing 120 ECTS. Extensive use of Bloomberg terminals (including Bloomberg Anywhere during COVID) for courseworks and market analysis.

**CATS Cambridge** UK, 2017–2019  
*A-Levels*

A in Mathematics, C in Sociology and Economics. Completed Cambridge CPE (C2 Proficiency).

### Certifications & Achievements

ISO 17369:2013 (UN Training) ▪ GMAT Quant 46 ▪ AWS Cloud Practitioner ▪ Cambridge C2

Proxmox homelab for AI/finance research ▪ Self-hosted mail infra (Scores A+ on Hardenize) ▪ Regional Olympiads: English 2<sup>nd</sup>, Maths finalist

### Languages

English C2 ▪ Russian Native ▪ German B1