

# Matthias Hutter

Senior Software Architect | Platform and Financial Data Systems

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## Professional Summary

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- Senior Software Architect and Infrastructure Leader with 8+ years delivering backend, platform, and data systems in fintech and digital assets.
- End-to-end ownership across architecture, implementation, CI/CD, observability, incident response, and production operations.
- Proven delivery of audit-ready financial data pipelines and reporting used by trading, operations, and finance stakeholders.
- Hands-on technical leader with experience hiring, mentoring, and scaling engineering teams in distributed and cross-functional environments.

## Work Experience

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### Director of Infrastructure

Jan 2022 – Present

Vienna / Remote

*Dark Forest Limited (incl. prior role at Dark Forest GmbH)*

- Led infrastructure architecture and automation from company build-out through current regulated electronic trading operations.
- Built and operated validator infrastructure across ~20 PoS networks (~60 validators) on cloud and bare-metal systems.
- Designed and delivered the Accounting Data Manager (ADM), consolidating 10 exchange feeds and internal metadata into auditable golden-source datasets.
- Implemented automated NAV, balance, and PnL reporting across API, dashboard, email, Slack, and Excel workflows used in daily operations.
- Built internal blockchain and market data services that improved trading and reporting workflows.

**Tech:** Node.js, TypeScript, Python, Java, OpenAPI, PostgreSQL, kdb+, AWS, OVH, Terraform, Ansible, Kafka, RabbitMQ, Prometheus, React, Keycloak

### Lead Technical Architect / Backend Team Lead

Sep 2017 – Dec 2022

Vienna

*Kivu Technologies*

- Progressed from Backend Developer to Team Lead to Lead Technical Architect; continued in a reduced part-time capacity during the 2022 transition to Dark Forest.
- Led modernization of legacy systems toward a bi-temporal time-series graph processing architecture.
- Designed temporal graph components and automated data pipelines for enterprise integration use cases.
- Owned backend roadmap, hiring, mentoring, and delivery across product, engineering, QA, and customer stakeholders.

**Tech:** Java, Vert.x, Spring, PostgreSQL, MySQL, Redis, RocksDB, Lucene, Jenkins

### University Tutor (Computer Science)

Jan 2016 – Mar 2017

Nicaragua

*URACCAN*

- Taught algorithms, complexity basics, and applied programming in C.
- Coached trainee teachers and supported curriculum delivery in intercultural education programs.

## Technical Skills

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**Core Areas:** Platform Architecture, Backend Engineering, Financial Data Systems, Infrastructure Automation, Team Leadership

**Languages:** TypeScript, Java, Python, C/C++, JavaScript, SQL

**Backend and APIs:** Node.js, Express, Vert.x, Spring, REST, OpenAPI, RabbitMQ, Kafka

**Data and Storage:** PostgreSQL, MySQL, Redis, RocksDB, Apache Lucene, kdb+

**Cloud and DevOps:** AWS, Linux, Terraform, Ansible, Docker, CI/CD, GitHub Actions

**Observability and Identity:** Prometheus, Alertmanager, Grafana, OIDC, RBAC, Keycloak

## Education

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### **Coursework in Electronics Engineering**

2011 – 2014

Swiss Federal Institute of Technology (ETH Zurich)

### **Coursework in Physics**

2008 – 2011

Swiss Federal Institute of Technology (ETH Zurich)

### **Electrical Engineering Apprenticeship + Secondary School Diploma**

2003 – 2008

Werkschulheim Felbertal