

# 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

*Dark Forest Limited*

Jan 2023 – Present

Vienna / Remote

- Own infrastructure architecture and operations for a regulated electronic trading environment, including multi-cloud and bare-metal deployments.
- Built and operated validator infrastructure across ~20 PoS networks (~60 validators), with strong reliability and operational discipline.
- 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.
- Partnered with engineering, trading, operations, and finance stakeholders in a distributed setup to align delivery priorities and incident response.

**Tech:** Node.js, TypeScript, OpenAPI, PostgreSQL, kdb+, AWS, OVH, React, Keycloak, Terraform, Ansible

### Crypto Research Director

*Dark Forest GmbH*

Jan 2022 – Dec 2022

Vienna

- Led infrastructure architecture and automation during the company build-out phase for trading and staking workloads.
- Automated provisioning and configuration management for dedicated hardware and cloud hosts.
- Built internal services for blockchain and market data ingestion to support trading decisions and reporting workflows.

**Tech:** Python, Java, Spring, Terraform, Ansible, Kafka, RabbitMQ, Prometheus, React

### Lead Technical Architect

*Kivu Technologies*

Mar 2020 – Dec 2022

Vienna

- Led modernization of legacy systems toward bi-temporal time-series graph processing architecture.
- Designed temporal graph components and automated data processing pipelines for enterprise integration use cases.

- Drove delivery across product, engineering, QA, and customer stakeholders from requirements through implementation, acceptance testing, and production support.

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

### Backend Team Lead

Nov 2018 – Mar 2020

*Vienna*

- Kivu Technologies*
- Managed backend roadmap, sprint delivery, and engineering standards for core platform services.
  - Hired and mentored backend engineers through structured onboarding, code review, and technical coaching.
  - Improved development workflows through stronger CI practices, quality gates, and clearer definition-of-done criteria.

### Backend Developer

Sep 2017 – Nov 2018

*Vienna*

- Kivu Technologies*
- Built backend APIs and integration layers between frontend applications and core graph services.
  - Developed Redis-based metadata storage using Java APIs, Lua scripts, and C-module integrations.
  - Helped align frontend and backend teams through coordinated refactoring and delivery planning.

### 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