

Passionate hands-on technologist, experienced in developing scalable and reliable software as well as building a team of motivated engineers to accommodate customer's demands for exciting features in the FinTech ecosystem. Familiar with all stages in the development cycle from design to continuous delivery. Fond of working in agile software development organizations and customer-oriented environments. Seeks and fosters practices of constant improvement for his team as well as for himself. Keen to put to work his excellent analytical skills, high degree of accuracy, and self-reliant working style.

## Technical Skills

### Working Knowledge

Languages Java, Kotlin, SQL, Python, TypeScript  
Technologies Kafka, Spring Boot, Kubernetes/Docker Ecosystem, Various Cloud Providers, Apache Flink/Spark, Hadoop Ecosystem, Oracle, SQL Server, Terraform

### Basic Knowledge

Languages C/C++, Rust, Solidity

## Languages

German Native  
English Full professional proficiency

## Professional Experience

### Freelance and Consulting Work

09-2022–Now **Blockchain Research**

- Web3 Hackathons

Technologies Solidity, Blockchain, EVM, ReactJS, Foundry, TheGraph  
used:

11-2022–11-2023 **Consultant**, XType, Vienna

- Technical workshops about event-driven architecture, Kafka and CQRS
- Guiding the engineering team in creating a more scalable architecture to eventually supersede their monolith
- Prototype of a Kafka-based data pipeline reading from ServiceNow and producing a graph-based collection of business items

Technologies Java, Spring/Spring Boot, Event Driven Architecture, Kafka, Kafka Streams, Amazon  
used: Web Services, Protobuf

10-2021–05-2023 **Software Architect**, BUX, Vienna/Amsterdam

- Scaling the existing quote stream components from 1-per-second to sub-second processing
- Introduction of infrastructure-as-code for the core teams to ensure traceability of changes
- Research on using GraalVM for microservices
- Hands-on cross-team feature development

Technologies Java, Spring/Spring Boot, CQRS, Kotlin, Kafka, RabbitMQ, PostgreSQL, Google  
used: Cloud, GraalVM, Protobuf, Terraform

## Contractual Employment

- 12-2019–09-2021 **Engineering Team Lead**, *BUX*, Amsterdam, NL
- Led a team of eight software engineers to foster their professional growth
  - Designing a novel architecture for deferred execution of stock orders
  - Extended the in-house CQRS library to support modelling business processes
  - Feature development to extend the core platform
- Technologies used: Java, Spring/Spring Boot, CQRS, Kotlin, Kafka, RabbitMQ, PostgreSQL, Google Cloud, GraalVM, Protobuf
- 10-2018–11-2019 **Senior Software Engineer**, *BUX*, Amsterdam, NL
- Go-live of a trading platform now serving 500k clients
  - Implementing a order management system in a team of two from scratch
  - Implementing a core product catalog which is automatically synced throughout all microservices
  - Defining and managing all infrastructure needed for operations and monitoring (we build it, we run it)
- Technologies used: Java, Spring/Spring Boot, CQRS, Kotlin, Kafka, RabbitMQ, PostgreSQL, Google Cloud, Python, Shell Scripting
- 09-2017–09-2018 **Senior Software Engineer**, *Automic*, *acquired by CA/Broadcom*, Vienna, AT
- Integration of Apache Flink with the main product to enable users finding event patterns
  - Extending an analytics software with various chart types and filtering features
- Technologies used: Java, Spring Boot, Apache Flink, Cobol, PostgreSQL, Cucumber
- 10-2015–08-2017 **IT Senior Consultant**, *EBCONT*, Vienna, AT
- Reduced backend latency to 25% by introducing consistent distributed second level caching in a SaaS application for presentation editing for Red Bull.
- Technologies used: Java, Spring Boot, MariaDB
- 05-2009–09-2014 **Software Engineer/Scrum Master**, *Automic (formerly UC4)*, Vienna, AT

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## Education & Certifications

- 2021 **Leading Teams**, *Coursera*
- 2021 **Managing Talent**, *Coursera*
- 2017 **Applied Text Mining/Machine Learning in Python**, *Coursera*
- 2017 **MapR Certified Hadoop Developer**
- 2009–2012 **MSc, Medical Informatics**, *Technical University of Vienna*, Austria

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## Personal Projects

- CQRS Rust CQRS framework written in Rust [GitHub Link](#)
- Streamify Money streaming based on Superfluid [GitHub Link](#)
- Rocketpool Setup for Rocketpool Ethereum Validator [GitHub Link](#)