

Thomas Eizinger

Passionated software developer with a strong focus on code and software quality.

I love to share my knowledge through mentoring and talks. Always on a hunt for challenges to improve myself.

Work experience

- 10/2019 – today **Architect**, *CoBloX*, Sydney (Australia), full-time.
Accountable for designing and engineering the COMIT protocol specification and the Rust reference implementation
- 03/2018 – 10/2019 **Research Engineer**, *CoBloX*, Sydney (Australia), full-time.
Responsible for development on the Rust reference implementation of the COMIT protocol. Notable technologies include: Rust, Typescript, libp2p, Bitcoin and Ethereum.
- 10/2017 – 02/2018 **Software Developer**, *Willhaben.at*, Vienna (Austria), full-time.
Responsible for maintenance and extension of the core Java codebase. Major contributions include the design of WHML (Willhaben Markup Language), a declarative, domain-specific language for UIs. Notable technologies include: Spring Boot, Tomcat, Cybase and Postgres.
- 09/2015 – 06/2017 **Software Developer**, *Senacor Technologies AG*, Vienna (Austria), part-time.
Responsible for the development of a sales frontend for a major Austrian bank. Notable technologies include: JSF, JPA, EJB, JBoss, Oracle, Java 8, Gradle, Jenkins and Git.
- 07/2014 – 06/2015 **Intern**, *IBM Softwaregroup Wien*, Vienna (Austria), part-time.
Responsible for configuration of standard software as well as development of plugins at various client sites. Notable technologies include: IBM Content Navigator, IBM WebSphere, Spring Boot and DB2.
- 01/2014 – 12/2014 **Software Developer**, *Akademikerhilfe Wien*, Vienna (Austria), part-time.
Responsible for maintenance and extension of a traffic contingent management software for student dorms. Notable technologies include: PHP, iptables, SNMP and Linux.
- 07/2013 **Intern**, *T-Mobile Austria E-Business*, Vienna (Austria), full-time.
Responsible for development of various productivity tools for co-workers. Major contributions include reducing a weekly task from 4 hours to 15 minutes through automation. Notable technologies include: C#, SQL, Microsoft Excel and WPF

Things I know best

- Languages Rust, Java, JavaScript (ES6+), C#, English (IELTS 8/9), German (native)
Tools IntelliJ IDEA (Shortcut expert), Git, *SH
Concepts FP, REST, TDD, Domain Driven Design, APIs, Modelling

Things I like best

REST (esp. Hypermedia), Open-Source, Cryptography, Design Patterns, DDD, DevOps, Architecture-stuff

Education

- 2015 – 2017 **Master of Science – Software Engineering, UAS Technikum Wien.**
Thesis: API-Design in Distributed Systems: A Comparison between GraphQL and REST
Graduated with distinction
- 2012 – 2015 **Bachelor of Science – Computer Science, UAS Technikum Wien.**
Thesis: Documentation of RESTful Web Services Built in Java
Graduated with distinction
- 2003 – 2011 **Secondary school, BRG Schloss Wagrain Vöcklabruck, Upper Austria.**

Side jobs & freelancer projects

- WS 2017 **Professor, UAS Technikum Wien.**
Lecture: Single Page Applications in JavaScript – 1.5 ECTS
- 02/2015 – 06/2017 **Tutor, UAS Technikum Wien.**
C, C++, Java, C#, Design Patterns, Testing
- 11/2014 – 02/2015 **FMVEA-Tool, Austrian Institute of Technology.**
Failure Modes, Vulnerabilities and Effects Analysis
Technologies: AngularJS, C#
- 11/2014 – 02/2015 **LiveEOG, UAS Technikum Wien.**
Prototyp for controlling a PC using an Electrooculograph (EOG)
Technologies: C#, WPF
- 10/2012 – 11/2013 **Tutor, Huemer Schülerhilfe Wien.**
Mathematics

Side projects

- since 05/2018 **Curriculum vitae continous deployment.**
As a fun exercise and to ease changes to my CV, I version its TeX source files on GitHub and automatically deploy all changes to my website: github.com/thomaseizinger/curriculum-vitae
- since 03/2016 **nobt.io, Open-Source Project (github.com/nobt-io).**
Split your bills with ease
Technologies: ReactJS, Redux, Java, AWS

Talks

- Scaling Bitcoin **The State of Atomic Swaps, Thomas Eizinger.**
Tokyo 2018 Recording: <https://youtu.be/FI9cwksTrQs?t=1022>
- VoxxedDays **Flux: A modern way of doing MVC?, David Leitner & Thomas Eizinger.**
Vienna 2018 Recording: <https://youtu.be/h9SDuTSy7ps>

Favorite books

- Robert C. Martin **Clean Architecture, 2017.**
- Daniel Kahneman **Thinking, Fast and Slow, 2011.**
- Kim Webber **REST in Practise, 2010.**
- Robert C. Martin **Clean Code, 2008.**
- Eric Evans **Domain Driven Design, 2004.**
- Martin Fowler **Refactoring, 1999.**