

Jonas Keinholz

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EDUCATION

Technical University of Munich

Bachelor of Science, Mathematics, grade: passed with merit (2.0)

Oct 2011 — Sep 2015

Bachelor of Science, Informatics, grade: passed with merit (1.7)

Feb 2013 — Mar 2016

33 ECTS towards a Master of Science in Informatics, avg grade 1.4

Apr 2016 — Mar 2018

- Bachelor's thesis: Formalization of Gibbard's random dictatorship theorem in Isabelle/HOL

WORK EXPERIENCE

Head of Software Engineering

Obi Technologies

Jun 2022 — Present

United States (remote)

- Led a team of 3 full-time equivalent software developers
- Developed and maintained Obi Wallet, a Web3 wallet initially built as a React Native app
- Transitioned Obi Wallet to a Next.js frontend, integrating with various APIs, blockchains, and Web3 protocols

Co-Founder, CTO

Serlo Education

Jan 2016 — Jan 2023

Munich, Germany

- Led a team of ~5 full-time equivalent software developers, including employees and volunteers
- Led the creation of Serlo Editor, a React-based WYSIWYG editor for learning materials
- Led the redesign and transition from a monolithic tech stack to a GraphQL-based API with a Next.js frontend
- Migrated infrastructure to a scalable Kubernetes cluster on Google Cloud Platform
- Led the technical strategy and development that was instrumental in securing funding from the German Federal Ministry of Education and Research (BMBF), enabling a significant team expansion

Co-Founder, CTO

Splish

Jun 2016 — Jun 2020

Munich, Germany

- Led the technical direction of the startup across multiple pivots, from a social media app to an aggregator messaging app, and finally to WYSIWYG editor technology
- Developed and integrated WYSIWYG editor technology, customizing it for DirectMail.io, which adopted it as the foundation for their landing page and email editor as part of a paid collaboration

Freelance Software Developer

Ory

Apr 2015 — Mar 2017

Munich, Germany

- Co-created ReactPage (formerly Ory Editor), a WYSIWYG editor
- Developed a secure file-sharing web application for a customer, designed for businesses to safely share files with their customers

Student tutor for various mathematics-related courses

Technical University of Munich

Jan 2013 — Mar 2015

Munich, Germany

EXTRACURRICULAR ACTIVITIES

Lecturer for practice academies

Studienstiftung des deutschen Volkes

Sep 2016, Sep 2018

Volunteer Software Developer

Serlo Education

Mar 2014 — Dec 2016

Visiting Software Developer

Wikimedia Deutschland

Feb 2016

PUBLICATIONS

Formalising and Monitoring Traffic Rules for Autonomous Vehicles in Isabelle/HOL

Albert Rizaldi, Jonas Keinholz, et. al. - Integrated Formal Methods (IFM 2017)

Aug 27, 2017

LANGUAGES

German (native), English (full professional proficiency)