

Dipl.-Ing. Peter Holzer BSc

Software Engineer



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📅 25/06/1989

🇦🇹 Austria

🚗 A,B,C,E,F driving licenses

🛡 Military Service (07/2007 - 03/2008)

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📄 Profile

I am a software engineer with passion for distributed systems, in particular in distributed ledger technologies (Blockchain, etc.). I love to think about problems and how to solve them in new ways. Software is the future and almost nothing is impossible!

📁 Professional Experience

Self-employed (Industry of automatic data processing and information technology), *Software Engineer*

05/2020 – present | Göllersdorf, Austria

Conception, design and engineering of websites, web- & mobile- apps and all kind of other applications based on customer needs; deploying and hosting of applications as well as maintenance of them; consulting in the field of software engineering; used technologies: Java, Spring Boot, Hibernate, Maven, Gradle, Microservices, Spring Cloud, RESTful and GraphQL-based APIs, NodeJS, NPM, JavaScript, TypeScript, Angular, VueJS, HTML, CSS, SQL, NoSQL, AWS/GCP, Docker/Kubernetes, Bamboo/Jenkins; full-time

Current Projects

- Web-application to enable parametrization, control and evaluation of a laser system that is used in a quantum computing environment (VueJS)
- Web-application to enable autonomous control of smart devices depending on available energy and type of available energy incl. forecast calculation of consumption and production amounts (VueJS, NodeJS, Docker, PostgreSQL)

eFriends Energy GmbH, *Software Engineer*

05/2019 – 04/2020 | Nappersdorf, Austria

Software development and systematic testing of software components, defining design and architecture in an energy trading environment, frontend and backend development, deploying agile operating principles (SCRUM), etc.; used technologies: JavaScript, TypeScript, VueJS, NodeJS, SQL, HTML, CSS, Docker; part-time (20 hours per week)

AIT Austrian Institute of Technology GmbH,

Graduand (Dipl.-Ing.)

10/2019 – 03/2020 | Vienna, Austria

Research in the field of crypto currencies, blockchains, distributed ledger technologies (architectures, security vulnerabilities, privacy leaks, etc.) and development of analysis approaches for second layer networks, especially for the Lightning Network (Bitcoin's 2nd payment channel network); thesis title: "Payment Channel Network Analysis with Focus on Lightning Network"; used technologies: JavaScript Python, SQL; temporary to 03/2020; part-time (20 hours per week)

Education

Vienna University of Technology,

Computer Science - Software Engineering & Internet Computing

10/2017 – 06/2020 | Vienna, Austria

Degree: Dipl.-Ing.

Vienna University of Technology,

Computer Science - Software & Information Engineering

10/2014 – 06/2017 | Vienna, Austria

Degree: BSc.

Wirtschaftsfoerderungsinstitut (Wifi),

University entrance exam

09/2011 – 06/2012 | St. Poelten, Austria

(avocational)

Wirtschaftsfoerderungsinstitut (Wifi),

Fachakademie Marketing & Management

09/2009 – 06/2011 | St. Poelten, Austria

(avocational)

HTBLA Hollabrunn,

Electronics and Computer Engineering

09/2003 – 06/2007 | Hollabrunn, Austria

Skill Overview

Software Engineering ● ● ● ● ●

Designing, developing and testing of software components and systems

Entrepreneurship ● ● ● ● ●

Developing an idea, founding a business, creating a product, failing with it and learning for the future

Marketing & Sales ● ● ● ● ●

Creating marketing concepts and strategies, selling products and services and providing customer support

IN2 in-tech engineering GmbH, Software Engineer

05/2017 – 04/2019 | Vienna, Austria

Software development and systematic testing of software components, defining design and architecture in an automotive environment, frontend and backend development, deploying agile operating principles (SCRUM), etc.; used technologies: JavaScript, TypeScript, Angular, Java, Spring, SQL, HTML, CSS, Docker; part-time (18.5 hours per week)

Vendoe e.U. / self-employed (Industry of preparatory),

Entrepreneur

09/2012 – 05/2018 | Göllersdorf, Austria

Conception, design, development and operation of a video advertising platform; full-time

Catalysts GmbH, Software Engineer

07/2016 – 04/2017 | Vienna, Austria

Software development and testing of software components and systems of an advanced web application, frontend and backend development, deploying agile operating principles (SCRUM), etc.; used technologies: JavaScript, Angular, Java, Spring, SQL, HTML, CSS; part-time (16 hours per week)

Atlantik Elektronik GmbH, Key Account Manager

07/2008 – 09/2014 | Brunn am Gebirge, Austria

Maintain existing customer relationships, acquisition of new customers, present electronical components at customer meetings, calculate offers, maintain orders, regular meetings with customers, partly country management, organize customer events and tours, responsible for revenue in Austria, etc.; full-time

Self-employed (Industry of automatic data processing and information technology), Service Engineer

04/2008 – 06/2008 | Vienna, Austria

Installed and established AonTV, internet und telephone at private and business customers commissioned by Telekom Austria, advised customers to their new product or services, etc.; full-time

Skill Set

Software Development

JavaScript / TypeScript / NodeJS / Angular / VueJS / React / NPM / Java SE & EE / Spring / Maven / Gradle / RESTful APIs

HTML / CSS / Bootstrap / JavaFX / Testing / SQL / NoSQL

Kotlin / Rust / Haskell / Python / C / Bash-Scripting

IntelliJ / Git / Docker / Kubernetes / Bamboo / Jenkins / JIRA / Continuous Development, Integration & Deployment / SCRUM

AWS / Google Cloud Platform

Ethereum / Solidity / Bitcoin / Lightning Network

Computer & Networks

Windows / Unix / hardware / software / computer networking

Social

Sensitivity / tolerance / dealing with others / self-awareness / ability to work in a team / reliability / sense of responsibility / spirit of innovation

Languages

German ● ● ● ● ●

English ● ● ● ● ●

Interests

Innovation, Economy, Engineering, Physics, Electronics, Information Technology, Internet, Marketing, Management, Finance, Start-Ups, Entrepreneurship, Distributed Systems, Blockchain, Distributed Ledger Technologies, Crypto Currencies, Bitcoin, Ethereum, Lightning Network, Security, Privacy, Algorithmics, User Interfaces, Efficiency, Big Data, Cloud Computing, Robotics, Internet of Things, Industry 4.0, Web 3.0, Smart Home, Automation, Business