

Arno Claude

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EDUCATION

M.Sc. Computer Science

Technical University of Munich

Munich, Bavaria

October 2022 – September 2024 (Expected)

B.Sc. Computer Science

Technical University of Munich

Munich, Bavaria

October 2018 – September 2022

- Introduction to Object-oriented Programming (Java)
- Introduction to Functional Programming (Haskell)
- Introduction to Databases (SQL)
- Implementation and Deployment of Database Management Systems (Advanced SQL)
- Introduction to Algorithms and Datastructures

WORK EXPERIENCE

Software Engineer Working Student

Certivity | Java, TypeScript, React, Spring, React Query, Redux, MongoDB

Munich, Bavaria

March 2022 – March 2023

- Helped build the MVP of the startup by implementing key features used by early customers (TypeScript, React, React Query, Redux, Tailwind CSS)
- Implemented various backend features (Java, Spring, MongoDB)

Software Engineer Working Student

Avision GmbH | Java, JavaScript, Spring, JUnit, Log4j2, Jasypt

Oberhaching, Bavaria

April 2021 – March 2022

- Implemented a REST API to facilitate DHL workers' jobs (Java, Spring MVC, Spring Data, Hibernate)
- Created a logging system to help developers troubleshoot the application (Java, Log4j2)
- Created an encryption system to securely encrypt passwords in the codebase (Java, Jasypt)
- Created end-to-end tests to test the functionality and performance of the application (JavaScript, Cypress)
- Created unit tests to validate existing code (Java, JUnit)
- Created batch scripts to automate image compression, heavily reducing file sizes (Unix Shell, ImageMagick)

PROJECTS AND HACKATHONS

Funkenflieger | Python, Apache Kafka

May 2022 – July 2022

- Developed an event processing pipeline to process large amounts of data

BCG Platinion Hackathon | Java, Python, Raspberry Pi

October 2021

- Developed a solution concept facilitating vaccine storage for the logistic department of Médecins sans frontières

iPraktikum | Swift, SwiftUI, ARKit, Java, Spring, Hibernate, MariaDB

April 2020 – August 2020

- Developed a physiotherapy app that uses cutting edge augmented reality technology to assist patients at home
- Responsible for the user interface and experience, as well as the augmented reality feature of the app

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Python, HTML/CSS, SQL

Frameworks & Libraries: React, React Query, Tailwind CSS, Redux, Cypress, Spring, JUnit, Apache Kafka

Databases: PostgreSQL, MongoDB

Developer Tools: Git, IntelliJ, Visual Studio Code, Bash (Unix Shell), Docker

Design Tools: Adobe Photoshop, Adobe Illustrator, Adobe Lightroom, Figma, Sketch