

PERSONAL DATA

Name: Thomas Schwabauer
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Date/place of birth: 06.04.1997 in Weilburg
Marital status: ledig



WORKING EXPERIENCE

- 07/2023 – today **CTO**
Amsel UG, Langgöns
- Expertise in the planning and implementation of complex software projects
 - Extensive knowledge in the evaluation and implementation of new technologies
 - Good understanding of Flutter framework and Dart programming
 - Backend development with Java / Spring-Boot
- 03/2023 – 10/2024 **Consultant**
Valtech-Mobility GmbH, Frankfurt
- Responsible for direct cooperation and support of clients as well as maintaining business relationships
 - Project management of consulting projects, including scheduling and resource management
 - Development of in-car apps in the Android Automotive environment with Kotlin/Java
 - Development of web applications with Angular in TypeScript
- 07/2020 – 02/2023 **Software developer**
Alcedis GmbH, Gießen
- Development of automation tests for web applications with Selenium/Gauge
 - Integration of test automation into the development process
 - 3 years of experience in web application development with Laravel, HTML, CSS, PHP, TypeScript
- 06/2018 – 06/2020 **Software tester**
Alcedis GmbH, Gießen
- Creation and maintenance of test documents
 - Execution of manual functional and regression tests
 - Development and maintenance of automated test scripts for web applications
 - Collaborating with developers and other stakeholders to analyze errors

EDUCATION

08/2016 – 07/2020	Studium Informatik Technische Hochschule Mittelhessen, Gießen Abschluss: Bachelor of Science
08/2013 – 06/2016	Allgemeine Hochschulreife Wilhelm-Knapp-Schule, Weilburg Abschluss: Abitur

KNOWLEDGE

IT skills:	Programming languages:	JavaScript (4 Years) TypeScript (4 Years) Dart (4 Years) Java (2 Years) Kotlin (2 Years) Java (2 Years) PHP (3 Years) HTML (4 Years) CSS (4 Years)
	Mobile Frameworks:	Flutter (4 Years)
	Frontend Frameworks:	Node.js (4 Years) Angular (2 Years) ReactJS (2 Years) Vue.js (2 Years) Laravel (3 Years)
	Backend Frameworks:	Node.js (4 Years) NextJS (1 Year) NestJS (1 Year) Spring Boot (1 Year)
	Databases:	MySQL (3 Years) NoSQL (3 Years) Firebase (2 Years)
	Testing:	Selenium (3 Years)

	Jest (4 Years)
	Cucumber (1 Year)
	Appium (0.5 Year)
IDE:	Visual Studio Code (4 Years)
	Webstorm (4 Years)
	IntelliJ (4 Years)
	Android Studio (4 Years)
Tools:	Git (4 Years)
	Jira (2 Years)
	Confluence (2 Years)
	Bitbucket (2 Years)
	Gitlab CI/CD (4 Years)
	ES Lint (4 Years)
	Jenkins CI/CD (2 Years)
Containerization:	Docker (3 Years)
Orchestration:	Docker Swarm mode (3 Years)
	Kubernetes (3 Years)
Other:	REST API (4 Years)
	Gauge (3 Years)
	Android Development (3 Years)
	Apache (1 Year)
Languages:	German (native language)
	English (very good written and spoken skills)
	Russian (basic knowledge)
Hobbies:	Bodybuilding, Soccer

PROJECT OVERVIEW

Project: Web-based-Login In-Car-App

I was the main person responsible for developing an in-car app for Porsche and Audi that would simplify the login process for users through the use of a QR code. The app communicated with a backend to generate the QR code, performed polling to verify the user's successful login, and then enabled in-car login. This app was developed for different generations of vehicles, using Angular in TypeScript for the web application and Kotlin for the Android Automotive version. In addition to my role as technical lead, I was instrumental in coordinating with the client, acted as a consultant and successfully implemented the app in a small team.

Project: Media In-Car-App

As a co-developer, I was involved in the integration of services such as Spotify, Apple Music and Apple Podcasts into a Porsche in-car app. The project was developed in TypeScript and placed particular emphasis on high test coverage, which was ensured with the help of Jest. My tasks included the implementation and optimization of the integrations as well as the creation and execution of comprehensive tests to ensure the quality and reliability of the application.

Project: Amsel

As the sole developer, I developed a mobile application for Android and iOS with Flutter, which serves as a marketing and store platform for local farmers and vending machine operators. The app integrates a Firebase database. In addition, I developed a powerful backend with Java and Spring Boot to ensure a robust and scalable architecture. Key features of the app include a secure login system and a differentiated permission system for different user roles, including users, farmers/vending machine operators and administrators. In this project, I was fully responsible for the architecture, development and implementation of the app.

Project: Declaration of consent for clinical studies

As part of a small team, I was responsible for the planning and implementation of a hybrid app that was developed in Flutter. The app was specifically designed to digitally capture consent forms from patients wishing to participate in clinical trials, including the ability to store signatures directly in the app. The application included an API connection to a backend and a login system that requires email verification. I was heavily involved in the design and implementation of this project.

Project: Test automation

As a working student, I initially carried out manual repetitive tests based on a given specification. As part of my bachelor's thesis and my subsequent work at Alcedis GmbH, I began to interpret these specifications and generate human-readable test steps in Gauge. These test steps were then executed automatically using Selenium in a headless web browser on various browsers. The browsers and test runners were automatically scaled with Kubernetes to ensure optimal resource utilization and performance. By implementing these automated tests, the effort for generic tests could be significantly reduced and regression tests for the application could be carried out more efficiently. I was the sole developer of this project, was responsible for the complete conception and planning of the features and implemented the project independently.