Thomas Schwabauer

PERSONAL DATA

Name:	Thomas Schwabauer
Adress:	Bergstr. 37
	35578 Wetzlar
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E-Mail:	email@thomas-schwabauer.de
Date/place of birth:	06.04.1997 in Weilburg

WORKING EXPERIENCE

10/2024 – present

Freelancer
Self-employed, Wetzlar

- Development and architectural planning of software solutions for various client projects
- **Frontend development** with **React.js**, **Next.js**, **Angular**, and **Vue.js** for modern web applications – with special consideration for accessibility in accordance with WCAG standards
- Specialized in **Flutter and Dart**-based app development for mobile platforms
- Development and optimization of **backend systems** using **Java and Spring Boot**
- Integration of Machine Learning and Computer Vision for photogrammetry and 3D scanning applications
- Building scalable **databases** and **cloud solutions** with **Firebase**, **Firestore**, **PostgreSQL**, **MySQL** and **AWS**
- Technical consulting and support in digital transformation for businesses

07/2023 – present

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**
- Implementation of an internal company overview website ("People") using Vue.js

07/2020 – 02/2023

Software developer
Alcedis GmbH, Gießen

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- Development of **automation tests** for web applications with **Selenium/Gauge**
- Integration of test automation into the development process
- Experience in web application development with **Laravel**, **HTML**, **CSS**, **PHP**, and **TypeScript**
- Optimization of React components using Material UI for enhanced performance and usability
- Orchestration and deployment of applications using Docker and Kubernetes

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 (5 Years)
		TypeScript (5 Years)
		Dart (5 Years)
		Java (2 Years)
		Kotlin (2 Years)
		PHP (3 Years)
		HTML (5 Years)
		CSS (5 Years)
	Mobile Frameworks:	Flutter (5 Years)
	Frontend Frameworks:	Node.js (5 Years)
		Angular (2 Years)
		Vue.js (2 Years)
		ReactJS (3 Years)
		Laravel (3 Years)
	Backend Frameworks:	Node.js (5 Years)
		NextJS (2 Year)

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	NestJS (1 Year)
	Spring Boot (2 Year)
Databases:	MySQL (3 Years)
	NoSQL (3 Years)
	Firebase (4 Years)
Testing:	Selenium (3 Years)
	Jest (5 Years)
	Cucumber (1 Year)
	Appium (0.5 Year)
IDE:	Visual Studio Code (5 Years)
	Webstorm (5 Years)
	IntelliJ (5 Years)
	Android Studio (5 Years)
Tools:	Git (5 Years)
	Jira (2 Years)
	Confluence (2 Years)
	Bitbucket (2 Years)
	Gitlab CI/CD (5 Years)
	ES Lint (5 Years)
	Jenkins CI/CD (2 Years)
Cloud Platforms:	AWS (1 Year)
	Firestore (4 Years)
Containerization:	Docker (3 Years)
Orchestration:	Docker Swarm mode (3 Years)
	Kubernetes (3 Years)
Other:	REST API (5 Years)
	Android Development (4 Years)

Languages:	German (native language)
	English (very good written and spoken skills)
	Russian (basic knowledge)

Hobbies:	Bodybuilding, Soccer

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PROJECT OVERVIEW

Project: Various Corporate Websites (03/2025 – Present)
Development of multiple corporate websites using Next.js and React in TypeScript, styled with Tailwind CSS. Implementation of both static (SSG) and server-side rendered (SSR) pages, integration with FireCMS, creation of modular components, responsive design, and adherence to accessibility standards according to WCAG. CI/CD pipelines (Vercel/GitHub Actions) enable automated builds, deployments, and performance optimization.

Tech Stack: Next.js, React, Vue.js, TypeScript, Tailwind CSS, Fire-CMS, Vercel, GitHub Actions

Project: Shopify App for Goldeneringe.de (03/2025 – 06/2025)
As lead developer, migrated the website from Shopware 5 to Shopify and integrated an existing 3D configurator into a private Shopify app using App Bridge and Polaris. Built a Remix (Node.js) backend with a GraphQL API to manage material and engraving parameters, while Three.js renders the live 3D model client-side. Leveraged webhooks, background jobs, and a CDN to synchronize orders and deliver 3D assets efficiently. Completed the project with automated tests (Jest), Git-based CI/CD, and Scrum methodologies.

Tech Stack: Shopify App Bridge & Polaris, Remix (Node.js), GraphQL, Three.js, Webhooks, CDN, Jest, GitHub CI/CD

Project: Betzimra – Music App for the Assyrian Community (01/2025 – 03/2025)
Solely designed and implemented a PHP-based music platform featuring streaming, libraries, playlists, and audio uploads. Developed a MySQL backend with a REST API, paired with an HTML5/CSS3/JavaScript frontend, and used Amazon S3 for scalable media hosting. Added role-based access control, PHPUnit tests, and an automated pipeline using Git, Composer, and CI/CD. Continuously enhanced performance and UX through regular stakeholder feedback.

Tech Stack: PHP, MySQL, HTML5, CSS3, JavaScript, Amazon S3, REST API, Git, Composer, CI/CD, PHPUnit, GitHub

Project: Web-based-Login In-Car-App (03/2023-10/2024)
I was the main person responsible for developing an in-car app for Porsche and Audi that would simplify the login process for users using 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.

Techstack: Angular, Node.js, TypeScript, Kotlin, REST-API, Jest, Cypress, EsLint, Stylelint, Scrum, Confluence, Bitbucket

Project: Media In-Car-App (03/2023-10/2024)
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.

Techstack: Angular, Node.js, TypeScript, Kotlin, REST-API, Jest, Cypress, EsLint, Stylelint, Scrum, Confluence, Bitbucket

Project: Amsel (07/2023 – today)
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.

Techstack: Next.js, TypeScript, Jest, Flutter, REST-API, Firebase, Fire-CMS, Java, Spring Boot, GitHub

Project: Declaration of consent for clinical studies (08/2022 - 02/2023)

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.

Techstack: Flutter, REST-API, Scrum, GitLab

Project: Test automation (07/2020 – 02/2023)

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.

Techstack: Laravel, PHP, TypeScript, React, Selenium, Gauge, Docker, Kubernetes, GitLab