

Kevin Scheeren

Heinsberg
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Professional Experience

since 08/2023

Managing Director

Cube Algos UG (haftungsbeschränkt), Heinsberg

- Build the company's own software in Dart/Flutter, plus internal tools and automation for recurring tasks where no off-the-shelf product fits
- Delivered a project for a start-up in the United States, from requirements gathering to handover, coordinated in English
- Built and run the entire server infrastructure: Linux, Docker, reverse proxy, user management and single sign-on, backups and monitoring, email services

02/2021 – 07/2023

Apprenticeship and Working Student in Software Development

oculavis GmbH (now maintastic), Aachen

- Continued and completed my apprenticeship as a Mathematical-Technical Software Developer in August 2022, then stayed on as a working student in the same role
- Computer Vision and Augmented Reality team
- Worked on the remote maintenance and remote support platform that service teams and experts use to work on issues together
- Completed two white-label Unity apps for EU-funded research projects
- Unity app that shows machine data over MQTT (topic of my seminar paper)

08/2019 – 01/2021

Apprenticeship as a Mathematical-Technical Software Developer

Apodius GmbH (Hexagon Manufacturing Intelligence), Aachen

- Worked on the main application: WPF user interfaces in C#, following the MVC pattern
- Internal research projects with OpenCV: detecting a Siemens star in the camera image to compute focus quality, and my own version of the focus peaking found in Sony cameras
- Helped build and install camera systems, tested on a near-production system in the test lab
- Worked with Team Foundation Server, Git, Jira, and Kanban

06/2017 – 07/2017

High School Internship in Software Development

CSB-System AG, Geilenkirchen

Education

08/2019 – 08/2026

Applied Mathematics and Computer Science, B.Sc. program (not completed)

FH Aachen University of Applied Sciences, Department of Medical Engineering and Technomathematics

- 135 of 180 ECTS credits completed, left without a degree
- Advanced C++ and C# both graded 1.0 (German scale, 1 = best)
- Seminar paper (12/2021): an MQTT interface in Unity apps for machine data, github.com/kevinscheeren/seminar-mqtt

08/2022

Mathematical-Technical Software Developer (MATSE)

IHK Aachen, state-recognized vocational qualification (examination under § 37 BBiG)

- Overall result satisfactory, software design and programming examination area: good
- German and European Qualifications Framework, level 4

07/2019

German university entrance qualification (Abitur)

Kreisgymnasium Heinsberg

- Advanced courses: Mathematics and Computer Science
- Final grade: 2.1 (German scale, 1 = best)

Projects

ongoing

Personal Projects

- flutter_template (private): Melos monorepo as a template for my own apps, with a self-built MVC state management package, a custom lint plugin that enforces it, localization, a base setup for macOS, Windows, and Linux, and Dart packages with code generation
- groundwork (open source, github.com/groundwork-md/groundwork): workflows and working principles for AI coding agents (Claude Code) in markdown files, checked by a Python script

2020/2021

Flutter App, University Group Project

FH Aachen, shown at the university's software showcase

- Mainly the frontend of an app connected to a forest digital twin at an RWTH Aachen institute: photo upload, image recognition in the team's backend, information on trees, staff and machinery

Skills

Dart & Flutter	Melos, self-built MVC state management, code generation with build_runner
Other Languages	C#, Java, Python, C++
Unix & Operations	Linux, shell scripting, Docker
Data	REST APIs, basic SQL from university and personal experiments
Tools	Git, Jira, Kanban, Claude Code
Languages	German (native), English (CEFR B2/C1 per Abitur certificate)