Jordy Helmijr

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SUMMARY

Software Engineer with experience building full-stack web and mobile applications using TypeScript, React, Python, PostgreSQL, and Docker. Interested in backend development, software architecture, and modern web technologies.

APPLIED ACADEMIC EXPERIENCE

Test-Correct **Nov 2023 – Jan 2024**

Student Developer (via Rotterdam University of Applied Sciences

Remote in Rotterdam, NL

- Built a proof-of-concept enabling teachers to store source material (e.g. textbook chapters) and generate exam questions from it using an AI language model.
- Designed the workflow so generated questions could be pushed directly into the Test-Correct assessment platform.
- Delivered a demo the client used to decide whether to invest further in AI-assisted question generation.

Stichting Accessibility **Jan 2024 – Mar 2024**

Student Developer (via Rotterdam University of Applied Sciences

Remote in Rotterdam, NL

- Developed a web app connecting a panel of ~125 people with disabilities to organizations running accessibility research.
- Built a gatekeeper workflow so the foundation could manage panel member data and approve all matching actions, protecting a vulnerable user group.
- Prioritized accessibility and information security as core, non-negotiable requirements throughout the build.

PROJECTS

Automated Group Project Assignment

Technologies: Astro, React, TypeScript, Bun, SQLite

- Developed a full-stack web application to automate complex student group assignments based on configurable user data and constraints.
- Built and integrated frontend, backend, and database components to generate and manage project groups efficiently.
- Built a secure authentication system using JWT and Flask, enhancing data privacy.

Mobile Application Activities for Students

Technologies: Expo, Hono, Prisma, PostgreSQL, Docker

- Developed a mobile application that enables students to discover, create, and participate in shared events and activities.
- Designed a modular backend architecture using PostgreSQL and Docker to support maintainable and scalable services.
- Implemented data models and inter-service communication to ensure reliable data processing and synchronization.

Mini Card Game

Technologies: Tauri v2, React, TS, Vite, Tailwindcss

- Developed a desktop card game featuring a four-round chance-based guessing system.
- Implemented keyboard and mouse controls to provide an intuitive user experience.
- Built the application using Tauri and React to deliver a lightweight cross-platform desktop experience.

EDUCATION

Rotterdam University of Applied Sciences **Expected: July 2027**

Associate's Degree Software Development (EC: 60 / 120)

- Relevant Coursework: Web Development, Software Engineering, Databases, Software Architecture, Agile Development
- DevOps, Security

TECHNICAL SKILLS

Programming Languages: Python, TypeScript, JavaScript

Frameworks and Tools: React, React Native, Bun, Node.js, Flask, Convex, Docker, PostgreSQL, Git

Concepts: Test-Driven Development, RESTful APIs, CI/CD, Agile Development

SOFT SKILLS

Problem Solving, Analytical Thinking, Communication, Collaboration, Adaptability, Ownership & Initiative, Accessibility Awareness, Security-Conscious Mindset