Tom Weise

Dual student of Informatics · Web developer

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Studying Informatics at DHBW Lörrach while working as a web developer at eschbach, with React, TypeScript and C#. Implemented Module Federation and OpenTelemetry usage tracking there. Outside work I run self-hosted AI agent tooling (Claude Code, MCP, Hermes) and a homelab. German native, English fluent.

EXPERIENCE

Web Developer, dual student
Oct 2024 – present

eschbach GmbH, Bad Säckingen, Germany

- Three-year dual study contract: work at eschbach alongside the Informatics degree at DHBW Lörrach.
- Implemented Module Federation.
- Implemented OpenTelemetry for usage data collection.

React, TypeScript, Vite, C#, Docker, Kubernetes, Git, GitHub

EARLIER WORK

Summer – Autumn 2024	**Trainer / Instructor**, Waldklettergarten Stuttgart (minijob). High rope park: safety briefings, rescues from up to 12 m, archery events.
Spring – Summer 2024	**Safety Lookout**, Dräger Safety (via agency), Burghausen. Atmosphere measurement in confined spaces on a refinery, breathing apparatus, PPE, first aid; awarded a safety coin.
Dec 2023 – Jan 2024	**Cashier**, Edeka Südwest, Endersbach. Customer contact and cash handling.
Apr – Oct 2023	**Factory Worker**, Verkerks, Christchurch, New Zealand (via agency). Packaging and quality control of meat products.
Dec 2022 – Mar 2023	**Nursery Worker**, Rainbow Park Nurseries, Drury, New Zealand. Plant care and operating potting machines.
Jul – Nov 2022	**Trainer**, Klettergarten Stuttgart. Customer briefings and course set-up, enforcing safety rules.
Nov 2021 – Jan 2022	**Covid-19 Test Assistant**, Apotheke Fellbach. Performed and documented tests.
2021 – Jun 2022	**Flyer Delivery**, Makromediendienst.

EDUCATION

Informatics (dual study)
Oct 2024 – present

DHBW Lörrach, Germany

Abitur
2022

Staufergymnasium Waiblingen, Germany

SKILLS

Frontend	TypeScript, React, Vite, Zustand, Redux, Module Federation, HTML, CSS
Backend	C#, Entity Framework, SQL, Elasticsearch; basics in Java and Node.js
Infrastructure	Git, GitHub, Docker, Tailscale
Systems	Bash, Python, Lua; Linux desktop configuration (NixOS, Hyprland)
AI tools	Claude Code, Hermes Agent, GitHub Copilot, Model Context Protocol (MCP)
Editors	Visual Studio, VS Code, SQL Server Management Studio
Operating systems	NixOS, Arch Linux, Ubuntu Server (homelab), Windows 11

AI & AGENT TOOLING

Personal projects, self-hosted and in daily use.

- **Agent-assisted development:** Claude Code as the main coding tool, with global instructions, reusable skills and persistent memory versioned in git. Results are verified with external checks, not the agent's own report.
- **Knowledge base for agents:** an Obsidian vault synced through a self-hosted git server, with local semantic search and a custom MCP server that serves the notes to coding agents in other repositories.
- **Agent runtime:** Hermes Agent on a home server runs scheduled jobs (daily scouting and benchmarking of new agent tools and small models, weekly security news review) and answers through an allowlisted WhatsApp bot. State is backed up automatically to a second host.
- **Evaluation:** benchmarked small local models and MCP servers on CPU with a reusable harness, among them speech recognition (Moonshine vs. Whisper), vision-language models and a prompt-injection classifier, and recorded the measured results.

LANGUAGES

German	Native
English	Fluent; a year of work and travel in New Zealand
Japanese	About N4/N3 (self-assessed); studied around three years, currently rusty
Chinese	About HSK 2/3 (self-assessed); studying for about a year
French	School French (6 years), currently restarting with a course