

Emilio Schwaiger

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Software Engineer

Software engineer building with multi-agent AI (Cursor + Grok Bots). HTL Saalfelden Informatik; Matura expected 2027.

INTERNSHIPS

Bauen & Wohnen 07/2022-08/2022

Carpentry company

- Duration: 4 weeks
- Tasks: Mix of workshop work and IT projects, including installing a UniFi system to improve the network

Bauen & Wohnen 07/2023-08/2023

Carpentry company

- Duration: 4 weeks
- Tasks: General IT work, including IT support and improvements to existing software

Amari Austria GmbH 07/2025-08/2025

Aluminum manufacturer

- Duration: 4 weeks
- Tasks: Built a warehouse system for automatic allocation and management.
- General IT support, employee lists, and license management

Amari Austria GmbH 07/2026-08/2026

Aluminum manufacturer

- Duration: 4 weeks
- Tasks: Excel automation and finance processes with Python and database queries

PROJECTS

Cairn (Open Source)

Typed facts for AI agents over JSON or MCP, also as a Cursor plugin. TypeScript, Node.js.

Pi-Fusion (Open Source)

Multi-model deliberation for the Pi Coding Agent. TypeScript, Node.js.

QStack

Verification on real Ubuntu, Fedora, and Windows VMs — proves changes beyond compile checks.

Homelab

Proxmox (LXC) behind Cloudflare Tunnel and Access: portfolio, file upload with Google login, and throwaway VMs for testing.

EDUCATION

HTL SAALFELDEN Salzburg, AT

Informatik (Matura expected 2027) 2022-2027

Five-year Informatik track at HTL Saalfelden

Focus areas: programming, data science & artificial intelligence, databases, and networking

CERTIFICATES & SKILLS

Certificates:	Introduction To Java – Hyperskill / JetBrains Academy
Programming:	TypeScript, JavaScript, Python, Java, C#, C, GLSL
Web & data:	Node.js, Next.js, React, Auth.js (Google OAuth), SQLite, Drizzle, Microsoft SQL Server, Excel automation
Testing & tools:	Vitest, Playwright, Git, GitHub, npm, Docker, MCP, AI coding agents (Cursor)
Infrastructure:	Linux (Fedora, Debian), Proxmox VE / LXC, Cloudflare Tunnel and Access, systemd, UniFi
Languages:	German (native), English (fluent)