Michael Frühwirth

Software Test Automation Engineer

CONTACT

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Location
Antoniusstraße 3/10, 4641 Steinhaus

Web
fruehwirth.online

PERSONAL

Nationality
Austrian

Date of Birth
May 7, 2001

Languages
German, English, Russian

SKILLS

Cypress TypeScript
JavaScript Java Python
C Bash Docker Git
Jenkins Jira Confluence

ONLINE

GitHub
github.com/Fruehwirth

LinkedIn
linkedin.com/in/michael-fruehwirth

Instagram
@michael.fruehwirth

PROFILE

I am a Software Test Automation Engineer based in Wels, Austria. With a strong foundation in IT from HTL Wels and hands-on experience at Fronius International, I specialize in test automation using Cypress, TypeScript, and JavaScript. Beyond my professional work, I am a volunteer paramedic at Rotes Kreuz Wels, an enthusiastic coder, and a passionate photographer.

EXPERIENCE

Software Test Automation Engineer

Fronius International | 2022 – Present

Architected a comprehensive TypeScript-based Cypress E2E testing framework for Fronius solar inverter WebUI, implementing Page Object Model patterns, custom automation commands (SSH, Config API, Python integration), and a dual-environment architecture supporting mock backends and real hardware validation. Integrated with GitLab CI/CD and Jira Xray for automated test execution and reporting, while establishing reusable component libraries, coding standards, and documentation for team scalability.

Volunteer Paramedic

Rotes Kreuz Wels | 2020 – 2025

Started as part of my civilian service (Zivildienst) and continued as a volunteer. Providing emergency medical care and supporting the community as a trained paramedic.

EDUCATION

HTL Wels – Information Technology

Matura (Higher Technical Education) | 2015 – 2020

Completed the Matura at HTL Wels with a focus on Information Technology, gaining a solid foundation in software development, networking, and systems engineering.

WRG Wels

Gymnasium | 2011 – 2015

CIVILIAN SERVICE

Zivildienst – Paramedic

Rotes Kreuz Wels | 2020 – 2021

Completed nine months of civilian service as a paramedic at the Austrian Red Cross in Wels, providing emergency medical assistance and patient transport.

PASSIONS & INTERESTS

Volunteer Paramedic
Volunteered at Rotes Kreuz Wels from 2020 to 2025 after completing civilian service.

Coding
Self-taught beyond formal education, continuously learning new languages and technologies.

Photography
Capturing moments with a Google Pixel smartphone, pushing mobile photography to its limits.