

Curriculum Vitae

Felicitas Pojtinger (she/her)

Residence: NA: Vancouver, BC, Canada
EU: Baiersbronn, Germany
Phone: NA: [+1 778 875 5416](tel:+17788755416)
EU: [+49 1523 3842326](tel:+4915233842326)
Website: felicitas.pojtinger.com
Email: felicitas@pojtinger.com
Date of birth: 2001-02-02



Education

2020 - 2023/08: Student at HdM Stuttgart, Germany.
Graduated with a B.Sc in Media Informatics (DE: 1.0, US: 4.0)
2011 - 2019/08: Student at Richard-von-Weizsäcker high school in Baiersbronn, Germany
Graduated with a Baden-Württemberg Abitur (DE: 1.4, US: 3.8)
2007 - 2011/08: Student at Wilhelm Münster elementary school in Baiersbronn, Germany

Work Experience

2022/07 - present: Founding Engineer at Loophole Labs, Inc
2021/06 - 2022/07: Software Developer at Incloud Engineering GmbH (acquired by q.beyond AG)
2019/10 - 2021/06: Software Developer at DE software & control GmbH

Languages

English: CEFR C2 (IELTS General Band 8)
German: CEFR C2
French: CEFR B1

Tech Stack

Languages:	Go, TypeScript/JavaScript, Rust
UI:	React, Wasm, JAMStack, SASS/SCSS, GNOME/GTK4
Databases:	SQLite, PostgreSQL, MariaDB/MySQL, Valkey/Redis
APIs:	REST, gRPC, GraphQL
DevOps:	Linux, Docker, Kubernetes, Firecracker, OpenTofu/Terraform
Clouds:	AWS, Google Cloud, Azure, Hetzner, DigitalOcean, Equinix Metal
Integration:	GitHub, GitLab, Forgejo/Gitea

Projects

For more up-to-date info, please see github.com/pojntfx and linkedin.com/in/pojntfx.

2024

- Working on the “**Drafter**” virtualization and live migration primitive
- Building the “**panrpc**” RPC framework
- Creating the “**hydrapp**” browser-based desktop application toolkit

2023

- Published bachelor’s thesis “**Efficient Synchronization of Linux Memory Regions over a Network**”
- Created “**Multiplex**”, an app to watch torrents with friends
- Built “**r3map**”, a high-performance remote memory library
- Built “**go-nbd**”, a pure Go NBD server and client library
- Created “**Connmapper**”, an internet connection visualizer

2022

- Developed “**octarchive**”, a tool for GitHub and Gitea backups
- Built “**weron**”, an overlay network based on WebRTC
- Created “**STFS**”, a file system for LTO tape drives

2021

- Built “**liwasc**” and “**invaentory**”, network and port scanners
- Created “**bofied**”, a network boot server
- Developed “**keygaen**”, a WebAssembly PGP tool
- Built “**pojde**”, a multi-tenant development environment
- Created “**Webnetes**”, a peer-to-peer computing platform based on Wasm
- Developed “**unisockets**” and “**tinynet**”, POSIX sockets implementations for Wasm

2020

- Created “**alpimager**”, a tool for Alpine Linux images
- Built “**gloeth**”, an overlay network manager
- Developed “**gon2n**”, a P2P VPN

2019

- Created “**dibs**”, a CI/CD system
- Built “**infractl**”, a cluster management tool
- Developed a **design system for digital publishing**
- Created multiple **websites for local businesses**

2018

- Built “**Learn Chinese Platform**”, a platform for learning Mandarin and Cantonese
- Continued “**LibreSat**”, a CubeSat development environment
- Created “**Simple Direct Democracy**”, an e-voting platform
- Hosted “**CoffeeCodeContribute**” boot camp
- Participated in “**Zukunftsakademie Baden-Württemberg**”
- Developed “**IraSync**”, a social media platform
- Created “**Die Illustrierte**”, a digital publishing platform

2017

- Built “**OpenSNET**”, a satellite communication network
- Developed “**OpenSDCP**”, a satellite development platform
- Created a **website for “Richard-von-Weizsäcker-Gymnasium**
- Interned at “**Institut für Raumfahrtsysteme**” in Stuttgart
- Presented “**MOVA4GIT**” ion thruster at Airbus Defense and Space
- Contributed to **nanosatellite communication systems** at Aerospace Lab Herrenberg

- Built “**Brahma**”, a 3D printed surveillance system

2016

- Won the “**VonBWinsAll**” competition with “ModSat” nanosatellite/CubeSat project
- Developed a **custom CNC machine & 3D printer**
- Participated in “**Jugend Forscht**” competition with the “SIEO” nanosatellite/CubeSat project

2011-2014

- Created “**thelink**” high-FOV VR headset
- Competed in “**Jugend Forscht**” with “**theview**” AR headset
- Participated in “**Umweltmentor**” climate protection program
- Developed the “**SIE**” nanosatellite/**CubeSat ion engine**
- Created “**iHD2/NiroOS**”, an Android distribution for the HTC HD2

Last updated 2024-06-19, Vancouver, BC, Canada (Felicita Pojtinger)