

Johann Hipp

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EXPERIENCE

Cloud Developer

Deloitte

October 2024 – April 2025

Berlin

- Delivery platform development for an automotive client in golang using AWS Lambda
- Frontend development with NextJS and Tailwind
- IaaS deployment using AWS' typescript SDK

Software Developer

Nowtilus / Equativ

June 2023 – June 2024

Berlin

- Development and deployment of two components for a full rewrite of the previous serverside ad-insertion SaaS solution in golang with protobuf, gRPC
- Development focus on CMAF, DASH and HLS feature enhancement for large customers
- Optimization of caching algorithms to better support high demand scenarios (redis, in-memory)

Software Developer (Intern)

Nowtilus / Equativ

September 2022 – January 2023

Berlin

- Participation in development of a server-side ad-insertion SaaS in Node.JS and golang
- Various changes to JSON parsing, validation
- Performance testing of time-critical services and partial rewrites to ensure low-latency

EDUCATION

Martin-Luther-Universität Halle

October 2021 - February 2024

Bachelor of Science in Computer Science

Free University of Bozen/Bolzano

2020

Individual Courses (and a bit too much alpine Mountaineering)

PROJECTS, OPEN-SOURCE CONTRIBUTIONS

MicroAuth - in-memory OAuth2 implementation | *Rust, BoringSSL*

github.com/t3nsed/microauth

- Low-level in-memory authentication server providing OAuth2 authentication with an ORM-like API
- Built on top of the ring crate with BoringSSL bindings for secure and efficient authentication flows

Amplify | *DocumentAI, Mistral OCR, grok-4*

amplify.tw

- Quant trading statistical analysis toolchain with a heavy focus on portfolio optimization
- Applies OCR on CSV, Excel files containing portfolios, uses their context to run applicable analysis to give feedback on portfolio composition
- Includes market noise filtering using random matrix theory and efficient frontier analysis to maximize returns against risk

Expedite - AI-first outdooring social app | *llm inferencing, classic NLP, audio inferencing*

expedite.rsvp

- Summarizing and 0-shot classifying outdooring hobbies after inferring them from audio memos
- Matching of users based on shared interests and similar planning timespan
- Developed in a hackathon over a weekend

TECHNICAL SKILLS

Languages: Golang, Rust, Typescript, Python, SQL, Java, Kotlin

Monitoring: Victoria Metrics via Prometheus, Kibana, Grafana

DevOps, IaaS: Docker, Kubernetes, Terraform

Hyperscalers: AWS, Azure