Henry Richter

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EDUCATION

Dresden University of Technology   Dresden, Saxony
Diploma in Computer Science   *October 2021 – Present*
- Estimated Graduation Date: *October 2026*
- Current GPA: *German 1.5 ≈ GPA 3.5*

Grammer School   Freital, Saxony
General Higher Education Entrance Qualification (Abitur)   *July 2013 – June 2021*

EXPERIENCE

Full-Stack Developer Working Student   October 2022 – Present
Uniwunder   *Dresden, Saxony*
- Frontend Development: Utilized Angular with TypeScript and RxJS to create dynamic and responsive web interfaces.
- Backend Development: Leveraged Spring Boot with Kotlin, Hibernate, and JPA for robust server-side solutions.
- Mobile Development: Ported parts of the frontend to ios and android using Ionic, enhancing accessibility across devices.
- DevOps: Set up a build and deployment pipeline to streamline development processes of the mobile application.
- Implemented push notifications using Firebase Cloud Messaging, improving user engagement and retention.

First-Level-Support Working Student   June 2021 – September 2022
Jungheinrich   *Wilsdruff, Saxony*
- Provided on-site setup and support for both hardware and software, ensuring optimal system performance.
- Configured and set up workplace environments to facilitate efficient workflows.
- Created and maintained MS Excel macros to automate tasks and improve productivity.
- Utilized tools such as a custom ticketing system and MS Active Directory for effective issue tracking and user management.

PROJECTS

Fullstack Bare Metal Deployment | *Spring Boot, SvelteKit, Keycloak, Docker, Kubernetes, Helm, Github Actions*
- Engineered a full-stack web application, leveraging Spring Boot and SvelteKit, deployed on an Oracle-hosted Ubuntu VM for optimal performance and control.
- Established a robust microk8s cluster to seamlessly deploy and manage the application, enhancing scalability and reliability.
- Configured and deployed Keycloak as an OAuth2 provider, enabling Single Sign-On and identity brokering.
- Incorporated SSL encryption using Let's Encrypt and Cert-Manager to ensure secure data transmission and protect user information.
- Utilized Github Actions to automate efficient CI/CD pipeline that automates the processes of linting, testing, building, and deploying the application, significantly reducing manual intervention and potential errors.

TECHNICAL SKILLS

Languages: Kotlin, Java, Python, SQL, JavaScript/TypeScript, HTML/CSS
Frameworks: Spring Boot, Hibernate, Angular, Ionic, Firebase Cloud Messaging
Developer Tools: Git, GitHub Actions, Bitbucket Pipelines, Docker, Kubernetes, Jetbrains IDEs, VS Code