

Employment

Software Engineer, Technical Student	CERN	since Sep 2022
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- Development of the Virtual Research Environment, an analysis platform developed at CERN serving the needs of scientific communities
- Development in other large open source projects at CERN, e.g. REANA (Reproducible research data analysis platform) and Rucio (Scientific Data Management for ATLAS)

Site Reliability Engineer, Working Student	EDEKA Digital	May 2021 – Aug 2022
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- Development of virtual/cloud infrastructure for a retail inventory management system in GCP/Azure with tools like Kubernetes and Terraform
- Conceptualization of a cloud operating model and shaping of a new site reliability engineering team while working with Jira and Scrum/Kanban methods

Consultant, Dual Student	EY	Sep 2017 – Apr 2021
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- Contributed to the development of a web-based IT audit tool for ERP systems based on Microsoft SQL (Bachelor thesis)
- Consulted and audited IT systems of industry clients regarding their security
- Three months internal internship in Shanghai, China to support the local team

IT-Administrator, Apprenticeship & Full-Time	Kern-Liebers	Sep 2012 – Aug 2017
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- Oversaw the setup of IT infrastructure and systems for a new subsidiary in Queretaro, Mexico (one-year assignment)
- Administered various IT systems, e. g. Microsoft and Linux servers as well as virtualized infrastructure with VMware ESXi/vCenter for a global company system
- Administered and maintained Cisco switches, routers and Palo Alto firewalls for a global company network

Education

Mannheim, Germany	Mannheim University of Applied Sciences	Sep 2021 – approx. Aug 2023
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- M. S. in Computer Science (major Software Engineering), Current Grade Average: 1.0
- Coursework: Machine Learning (Python), Reverse Engineering (C, Assembler), Computer Science Workshop (Ruby, Rust) and Design Thinking

Leipzig, Germany	Leipzig University	Oct 2020 – Aug 2021
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- Various physics and mathematics courses (gap year)

Mannheim, Germany	Baden-Württemberg Cooperative State University	Oct 2017 – Sep 2020
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- B. S. in Business Informatics, Finale Grade Average: 1.9
- Coursework: Databases, Programming (Java), Distributed Systems, Network Systems, Algorithms and other basic concepts, Economics, Business Administration, Finance and Accounting, IT and Business Processes, International Business Law and Organization, Intercultural/General Management and Spanish

Technical Projects and Additional Experience

- **Radar Object Detection:** Radar object detection with Kalman Filter and DBSCAN Algorithm (2021/22)
- **Ruby Workshop:** Organization of a programming workshop for Ruby (2021/22)
- **Student Speaker** at Baden-Württemberg Cooperative State University (2018 – 2020)

Skills and Languages

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- Python, Ruby, C, YAML, SQL, Markdown, LaTeX
 - Git, Jira, Visual Studio Code, Jupyter Notebook, Linux (Ubuntu/Debian), Microsoft Azure (**certified**), Google Cloud Platform, Kubernetes, Docker, Helm, GitHub Actions, Windows Server, Palo Alto Firewall, Cisco Switch/Router
 - German (**native**), English (**fluent**), Spanish (**conversational**), French (**basic**)