Christian Diemers

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Hello, my name is Christian. I am supporting companies on their Azure Cloud journey with with Cloud Native technologies like Python, GitHub, Kubernetes and Terraform.
Microsoft & CNCF Cloud Architect/DevOps Engineer. Let's get in touch.

EDUCATION

- **Computer Science (M.Sc)** **2019-2022**
  Technical University of Munich (TUM)
  Focus: Software engineering, data science and High-Performance Computing (HPC)

- **Games Engineering (B.Sc)** **2014-2019**
  Technical University of Munich (TUM)
  Computer Science foundations, projects with game development technologies

SKILLS

- **Cloud Technologies**
  Azure, Kubernetes, Docker, Terraform, Solution Architecture, Microservices

- **Languages & Frameworks**
  Python, TypeScript, React, Node.js, Web technologies (HTML, CSS), FastAPI, PySpark, Hadoop

- **Tools & Software**
  PostgreSQL, MongoDB, git

PROJECTS

- **Distributed Reinforcement Learning for Robotics in the Cloud, Master Thesis**
  - Created a software framework to parallelize robotic simulations in the cloud for reinforcement learning
  - Dockerized robotic simulations created with Unity3D to deploy them to any Kubernetes cluster and scale to thousands of parallel simulations
  - Technology: Python, Node.js, Kubernetes, Unity3D, C#

- **Information Retrieval from Source Code, Bachelor Thesis, CQSE GmbH**
  - Solved the problem of finding experts covering topics in a codebase as well as knowledge monopolies problems
  - Implemented a natural language processing (NLP) pipeline to analyze source code and combined the results with software development (git) data
  - Technology: Python, Node.js, React

EXPERIENCE

- **Cloud Solution Architect for Azure, Microsoft Deutschland GmbH** **2021-2023**
  - Managed technical partnership with 20+ software companies to build and scale their B2B SaaS solutions

- Designed cloud architectures and product roadmaps with C-level and lead developers
- Implemented and optimized architectures with PoCs, hackathons, workshops with focus on Cloud Native technologies and Kubernetes; e.g. reduced global maximum latency of an application from 1.5 seconds to 300ms using a CDN

- **Backend Development Working Student, Freeletics GmbH** 2019-2021
  - Developed backend services with Ruby on Rails, Docker and Kubernetes
  - Created and monitored an endpoint to serve a paywall with content from an external CMS which handles 40.000 requests per day

- **Co-Founder, ReadNext** 2019-2020
  - Launched a content-based recommender-system for online news and blog platforms
  - Deployed a NLP pipeline with Python and a dockerized React web app on AWS
  - Implemented an online research experiment targeting user impact of recommender-systems for the TU Hamburg with 20.000 participants

- **Software Engineering Fellow, Tech4Germany** 2018
  - Got selected software engineer for Germany's first eGovernment fellowship in cooperation with Germany's Chief of Staff Prof. Helge Braun in Berlin
  - Worked in an interdisciplinary SCRUM team in collaboration with ITZBund
  - Designed an architecture for the German digital citizen
  - Introduced user-centric approaches to authorities with user stories and prototypes

Global Certifications

- CKAD: Certified Kubernetes Application Developer

- Azure: AZ-900, AZ-104, AZ-204, AZ-305: Solutions Architect Expert

- HashiCorp Certified: Terraform Associate (002)

Additional Positions of Responsibility

- **Volunteer Coach, ReDI School Munich** 2022-today
  Lead classes for socially disadvantaged junior year students of the ReDI School addressing basic to intermediate coding skills in Python, HTML, and CSS

- **Think Digital Scholarship, IBC Munich e.V.** 2019
  Received scholarship for most innovative and visionary students, selected as one of 15 in 400 applicants

- **Microsoft Student Partner, Microsoft Deutschland GmbH** 2016-2019
  Organized 2 Hackathons with 50 participants to introduce fellow students to new technologies