Gregor Best

Curriculum Vitae

Personal Information

Nationality **German**

Personal Skills and Competencies

Languages	German (Native), English (Fluent)
Operating systems	Linux, FreeBSD
Programming languages	Go, Python, C, C++, Lua, Shell, SQL
Databases	Redis, PostgreSQL, MariaDB
CI/CD/Cloud	Gitlab, Kubernetes, Jenkins
Other technologies	Ansible, LDAP, RabbitMQ, Git, Influx, Grafana

Work Experience

August 2019 - current **Software Engineer at Pferdewetten.de AG, Düsseldorf, Germany**

Built and maintained a routing engine for bets on horse races, API clients for third party betting systems and an information feed service for race related data. Set up and maintained a set of Kubernetes clusters and associated Jenkins CI servers for continuous integration and deployment.

Technologies used were RabbitMQ, Go, Kubernetes (managed via Rancher), Jenkins, MariaDB, Swagger, SQL, Grafana, Influx

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June 2018 - August 2018 **Project work for RWTH Aachen, Department of Education**

Designed and developed of a tool for visualizing and analysing time series data used in the evaluation of sociology experiments.

Technologies used were Python, Numpy and Matplotlib.

2016 – August 2019 **Software developer and IT admin at Vasgard GmbH, Hamburg, Germany**

Development of an asset management and auditing control system. My responsibilities were mostly release engineering, backend technology and administrative UI.

In a second capacity, management and deployment of virtual machine hosts and virtual machines, as well as managing the infrastructure required for documentation and maintenance.

Technologies used were Python, Bootstrap, Linux, RabbitMQ and GitLab (including CI) for the asset management system as well as Ansible, Netbox, SSH and LDAP for the infrastructure.

March 2015 - Dec. 2015 **Research assistant and software developer in the Research Group Computer Networks, University of Paderborn**

Development of an integrated development environment for portable network applications. My work was mostly in automated and configurable deployment of a collection of SDN stacks.

Technologies used were Python, Java and Ansible, as well as the SDN stacks Ryu and Floodlight.

2013 – March 2015 **Research assistant and software developer in the Efficient Computing and Storage Group, University of Mainz**

Continued the previous work at different university after the storage group moved from Paderborn to Mainz University.

2011 – 2013 **Research assistant and software developer at Paderborn Center for Parallel Computing (PC2), University of Paderborn**

Development of a prototype of a disk-based long-term archival storage system, first at PC2, then (after 2013) the University of Mainz.

My responsibilities were the development of the file system abstraction on top of a custom block layer, work on the block layer and performance evaluation.

Technologies used were C, C++, Python and Git.

Volunteer Work

2012 – 2014 President of the 41st and member of the 42nd student parliament, University of Paderborn

2011 – 2012 Member of the student representatory council for mathematics, computer science and electrical engineering, University of Paderborn

2010 – 2011 Member of the student council for mathematics and computer science, University of Paderborn

since 2009 Member of the Federal Agency for Technical Relief (THW). Team leader from 2013 to 2015 (in Paderborn), squad leader from 2017 to 2020 (in Aachen).

since 2007 Member of the Chaos Computer Club e.V.

Academic Education

Master Studies

2015 – 2019 **Computer science**, RWTH Aachen, Germany

Minor: Mechanical engineering with specialization in Aerospace Engineering

Did not finish with a degree

Bachelor Studies

2009 – 2015 **Computer science**, University of Paderborn, Germany

Minor: Media studies

Degree: Bachelor of Science

Bachelors Thesis: Energy Efficient Storage Allocation Schemes for Disk-Based Archival Systems

School

2001 – 2009 Pelizaeus-Gymnasium Paderborn

Gregor Best
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