A. Personal Information:

Year of Birth: 1969
Citizenship: German

Professional Focus: Python Software Dev./ Performance Engineering/ Test Automation

Education: - Diploma Degree in Computer Science (UAS)
                       - Master of Business Administration (MBA)

B. Developer-Skills (Extract):

Cloud/Linux: - AWS CloudFormation, CodeDeploy, Lambda, API Gateway, Swagger
                       - Vagrant, Docker, Ansible
                       - Linux (Amazon Linux, Arch, Ubuntu, Cent OS)
                       - Jenkins Pipeline as Code, Travis CI

Programming   - Python
Languages: - Bash
                       - XML / JSON / HTML
                       - Javascript

Performance Tools: - JMeter
                       - Loadrunner

Certifications and   2017 AWS Certified Solution Architect Professional
Trainings: 2015 AWS Certified Solution Architect
                       2015 LPIC-1 Cerification Linux Professional Institute
                       2015 SUSE Certified Linux Administrator
                       2009 ISTQB Certified Tester

Experience: **I am a full-stack engineer and performance engineer with 20 years of experience. I have been working on large enterprise projects with some of Europe's most distinguished companies.**

Software Engineering:	As a software engineer, I provide services within private and public clouds. I like uncharted territory and problems that are hard to solve.
	I love to: Advocate for, facilitate and create continuous integration culture and automate everything with the right tools!
	My most recent projects focused on Python development. I have the technical development expertice from backend persistence layer to the restful webservice layer, to client side javascript and portable desktop apps.
	Infrastructure-as-code unlocks the potential of cloud computing: * AWS cloud services: I automate serverless architecture deployments using AWS Lambda, API Gateway, Swagger and API blueprints * Scalable server stacks: Cloudformation, CodeDeploy, EC2, Docker
	I also have practical development experience using cloud tools like Docker and Hashicorp Vagrant, and Packer in this setting.
	As a toolsmith I provide automation tools and templates using Jenkins and Travis.CI to teams, so they can test, build, and deploy their services. I drive the adoption of pipeline-as-code. I have experience in coaching and supporting teams (from 5 up to 80 developers).
Performance Engineering:	Excellent working knowledge in Performance-Test-Life-Cycle for enterprise applications. I competently cover the full life cycle of design, preparation, and implementation of test scenarios, test scripts and utility functions for performance testing using LoadRunner, JMeter, TheGrinder, Neoload, and other available tools.
	I support / execute testdata preparation and cleansing.
	I perform root cause analysis to detect memory leaks and bottlenecks in servers, databases and enterprise applications. I support and propose resolutions for performance tuning.
	From working in different settings, I have a lot of practical expertise in executing a performance test project from the start - including test infrastructure and defining a comprehensive performance plan which includes scope, performance requirements, approach, test deliverables, project deliverables, schedules, risk assessment, etc. My analysis and test reports support decision making for performance strategy and technology to use.
Team Skills:	Effective technical writing skills with hands on experience creating plans, documentation and status reports.
	Excellent oral and written communication skills (German, English), committed, quick learner, result oriented, smart working with a quest to take on new challenges and to learn new technologies.
	Dynamic team player, enthusiastic, and greatly motivated towards success and completion of projects. At the same time, highly capable of working independently.

C. Project Experience (Extract):

08/2022 – 02/2023

Customer:	**Ubica Robotics**, Bremen & Remote
Title:	Senior Software Engineer
Project:	Fleet-Management-System for mobile Robots
Environment:	Python3, Django, CoreOS, Grafana, ROS2, OAuth2, Gitlab
Greenfield:	Requirement Analysis, Architecture, Implementation, Integration, Security, Operation

Collect live data from 50 mobile robots and implemented tools for interactive perfomance-analysis of nightly operations. Integrated apps into AAD for user and role management using MSAL. Collect robot and infrastructure metrics using prometheus. Running container loads on CoreOS. Automated regression testing.

06/2019 – 01/2022

Customer:	**adidas**, Remote
Title:	Software Engineer
Project:	FutureCraft CAD & engineering-design-tool for shoe upper
Environment:	Python3, Numpy, QT/Pyside2, OpenGL
System Redesign:	Redesign, Refactoring, Test Automation

Refactored the existing Python script collection into a maintainable and portable desktop application used by shoe designers. Introduced a release process and automated regression testing. Adding versioned file format capabilities for design an configuration files. Implemented undo & redo capabilites, interactive design tools, metrics, data science & visualization tools, image importer, and integration into adidas project workflow.

04/2018 – 05/2019

Customer:	**Miltenyi Biotech**, Remote
Title:	Software Engineer
Project:	Fighting cancer with Python / Cell sorter app redesign
Environment:	Linux, Python, QT
Legacy System Redesign:	Redesign, Refactoring, Test Automation

Like a processing plant, a cell sorter involves complex components from different disciplines like chemical processes, optics, mechanics, hydro mechanics at nanometer scale. The "plant's" processes are controlled by a Python application. I was responsible for the complete redesign of the monolithic software into maintainable and testable packages and modules. After completion of the redesign I did most of the refactoring and introduced automated regression tests to the project.

06/2016 – 03/2018

Customer:	**Pro7 Digital & Glomex GmbH**, Munich & Remote
Title:	Software Engineer with the SRE team
Project:	Global Media Exchange; Fullstack Video Platform
Environment:	AWS, Linux, CloudFormation, Lambda, Rest-Services
Cloud:	Python, Boto3, Docker, Ansible, Jenkins, DataDog, Grafana

Refactoring and maintenance of custom cloud deployment tools for AWS Lambda, API Gateway, OpenAPI, Swagger, CloudFormation, CodeDeploy. Infrastructure-as-code and Jenkins pipeline-as-code templates for AWS fullstack microservices.

12/2015 – 05/2016	Customer:	**Uniserv**, Amsterdam
	Title:	Software Engineer Engineer with the DataHub Scrum team
	Project:	Master Data Management, CDH Data Hub
	Environment:	MongoDB, ElasticSearch, Soap- / Rest-Webservices, C#
	Cloud:	Packer, Vagrant, Python, Bash, Jenkins 2.0, TheGrinder Introduced infrastructure-as-code and Jenkins pipeline-as-code for automated regression testing and continuous performance on AWS EC2.

06/2015 – 10/2015	Customer:	**Toolineo.de**, Munich & Wuppertal
	Title:	Software Engineer
	Project:	Toolineo.de / Marketplace for craftsman tools
	Environment:	Java, Python, Soap- / Rest- Webservice, Solr, Hybris
	Cloud:	Python, Bash, Ansible, Puppet, Vagrant, Jenkins Setup CI and test automation for automated regression testing using RobotFramework, Selenium and SoapUI. Infrastructure-as-code using Vagrant, Ansible + Puppet. Setup Grafana Performance Metrics. Concept, implementation and execution of performance tests for all marketplace applications using TheGrinder.

03/2014 – 03/2015	Customer:	**Payback GmbH** / Customer Reward Systems, Munich
	Title:	Test Engineer as member of onsite/architecture team
	Project:	Payback Global framework
	Environment:	Java, Python, Soap / Rest Webservice, Spring Batch
	CI:	Jenkins, SoapUI, Groovy, Ansible, Vagrant Update test automation infrastructure and tests for batch-file-, Soap-, and Rest- interfaces.

08/2013 – 02/2014	Customer:	**Fiducia IT AG** / Private Banking, Munich
	Title:	Test Engineer as member of an agile development team
	Project:	JBF banking framework
	Environment:	Java, Linux, Vaadin
	CI:	Jenkins, Selenium Consulting, Update test automation infrastructure for Selenium / Webdriver tests.

07/2012 – 03/2013	Customer:	**Kühne & Nagel** / Transport Logistics, Hamburg
	Title:	Test Engineer as part of an agile / Scrum team
	Project:	Ecommerce transport app for SOHO customers
	Environment:	Java, Linux, Oracle 11g, GWT, Pentaho
	CI:	Fitnesse/Slim, Selenium, Jenkins New test automation infrastructure, migration of the existing automated regression test suite, exploratory testing, performance testing.

01/2012 – 06/2012	Customer:	**Kühne & Nagel** / Transport Logistics, Hamburg
	Title:	Test Engineer as part of an agile development team
	Project:	Wireless sensor network infrastructure and frontend
	Environment:	Java, Linux, Oracle 11g, AQ, JSP, Struts
	CI:	Fitnesse/Slim, Selenium, Jenkins, Python, JMeter, SoapUI

My involvement included implementation and maintenance of the automated regression test suite from scratch, exploratory testing, performance testing. We included testing tours, automation stories and defect processing into a Kanban workflow.

08/2009 – 11/2011	Customer: **Credit Suisse** / Banking, Zurich
	Title: Performance Engineer within the technical testing team
	Project: Banking applications
	Environment: Java, Linux, (some .Net and C++)
	Performance: Loadrunner, TheGrinder, Python

I supported application teams through the whole cycle of performance tests from initiation to go-live decision. During my time at Credit Suisse I teamed up with more than 50 application teams. Usually I worked with two to three teams in parallel. I was responsible for the whole performance test cycle (plan, prepare, implement, execute, analyse, report).