Elisabeth Strunk

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German (native)
English (fluent)

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6 years		
professional experience		

2.5 years	1.5 years
software development	full remote experience

2.000+ hours	1.000+ hours	4.000+ hours
Python	Flask	OOP

Relevant Professional Experience

Software Engineer @ SALT AND PEPPER Software GmbH & Co. KG   07/2018 – 10/2019

- successfully completed 3 projects from inception to delivery, designing software architecture and developing applications in **Python**, **C**, **C#, Bash**, **SQL**, and **JavaScript**, **HTML** and **CSS**
- worked in a **distributed team** with team members located in 4 different cities across the country
- developed a solution for a DAX company sporting a custom embedded **Linux** distribution, and a **Python/Flask** web app with an **SQLite** database, and **RESTful** and **web socket APIs**, reaching speeds 5x higher than commercially available solutions, and surpassing customer specifications by 250%
- integrated a challenging and minimally documented **custom API** into an **ASP.NET Core** application to update **Docker containers** running on an IoT device
- reduced front end (**Angular**) testing time by 90% by taking the initiative to write a test server using **Python/Flask** to mock a slow back end application
- used version control and code-review systems like **Git**, Sourcetree, TortoiseSVN, GitHub, GitLab and Bitbucket/Jira
- wrote unit and integration tests for **automated testing** and **continuous integration** (GitLab CI)
- wrote comprehensive **documentation** for all my architectures and APIs for internal and external use

Software Engineer Intern @ GIGATRONIK München GmbH   09/2017 – 05/2018

- won the prestigious VDE award for my design and implementation of a modular embedded controller software in **C++** for an autonomous car-like robot
- completely (re-)designed the project's **software architecture** from procedural to object-oriented paradigm
- delivered on time, despite of important stakeholder and code contributor unexpectedly leaving the company

Technical Sales Engineer @ Kieback&Peter GmbH & Co. KG   06/2013 – 03/2016

- gained a deep understanding of **business processes** and **requirements engineering** by working with a broad variety of customers and stakeholders
- successfully handled **up to 10 projects simultaneously** at times, often under time pressure
- developed an internal tool to automate technical component configuration, halving the time of offer preparations
- managed several smaller projects, coordinating service technicians and subcontractors

Engineering Bachelor Thesis @ Marc O'Polo International GmbH   05/2012 – 02/2013

- conducted an extensive study about energy efficiency in retail, uncovering a significant potential to save energy/costs by systematically analyzing legacy data and live sensor readings of over 30 retail stores
- worked **100% remote** and autonomous in collaboration with the controlling department of the company

Engineering Working Student and Intern @ Duschl Ingenieure GmbH & Co. KG   08/2010 – 03/2012

- gained experience in requirements engineering by working on planning and cost estimation for technical building systems, with a focus on measurement and control technology, as well as low voltage systems
- worked 20% remote and successfully finished my last project in a 3-month **full remote** streak

Education

Full Stack Web Developer Nanodegree @ Udacity   03/2019 – 09/2019

- developed a CRUD application with user authentication using **Python** (**Flask**, **RESTful** and **SQLAlchemy**), **JavaScript**, **HTML** and **CSS**
- deployed a Python application onto a **Linux** server (**AWS** Lightsail instance running **Ubuntu**) including securing it from a number of attack vectors, as well as installing and configuring a **database server**
- designed relational database queries using **SQL** on a **PostgreSQL** database

Master of Engineering @ University of Applied Sciences Rosenheim   03/2016 – 06/2018

Electrical Engineering & Information Technology

- graduated with distinction and was awarded the prestigious VDE Award for my master thesis
- developed software for several extracurricular projects, including maintenance work and bug fixing on legacy code

Bachelor of Engineering @ University of Applied Sciences Rosenheim   10/2008 – 03/2013

Electrical Engineering & Information Technology

- represented my semester as co-president for 2 years
- mentored three first-year students in the Bayern Mentoring Program
- presented on various events as ambassador for Electrical Engineering

Basic Studies @ University of Salzburg   10/2006 – 03/2008

Psychology

- completed courses in General Psychology, Applied Psychology, Social Psychology, Developmental Psychology, Prenatal Psychology, History and Systems of Psychology, Neurobiology, and Statistics and Empirical Methods

Other things I like to do

- **Urban gardening** – grow food not lawns!
- **Jazz** – keep calm and play the saxophone!
- **Science Fiction** – live long and prosper!