Elisabeth Strunk

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6 years	
professional experience	

2.5 years	**15 months**
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#**, **SQL**, and **JavaScript**, **HTML** and **CSS**
- worked in a distributed team with team members located in 4 different cities across the country
- integrated a challenging and minimally documented custom API into an **ASP.NET Core** application for an IoT (Internet of Things) setup
- 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
- solved a long-existing problem for a DAX company by developing a solution sporting a custom embedded **Linux** distribution, an **SQLite** database, and **RESTful** and **web socket** APIs, reaching speeds 5x higher than commercially available solutions, and surpassing customer specifications by 250%

Engineering Master Thesis @ 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
- delivered on time, despite of important stakeholder and code contributor unexpectedly leaving the company
- completely (re-)designed project's software architecture from procedural to object-oriented paradigm
- devised coding, style and documentation guidelines for current and follow-up projects

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 and cost estimation, halving the time and effort needed for offer preparation
- effectively supported project engineering by stepping up and managing several smaller projects, coordinating service technicians and subcontractors, ultimately leading to less strain on the project engineering team while maintaining revenue

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 the energy consumption 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 part-time 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 as a **WSGI** app on a Linux server (**Apache** on **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

- majored in Controller Design, Automation and Robotics
- graduated with distinction and was awarded the prestigious VDE Award for my master thesis
- developed software for several embedded projects in **C**, **C++** and **Matlab**, 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

- majored in Automation and Control Theory
- 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 stuff I like to do

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