Sergio Carlo Fontana

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SKILLS

Software:	.Net, C#, MVC, SQL, MongoDB, Bitbucket, JIRA, SSIS, OOP, WCF, REST, HTML, CSS, JS, C/C++, Visual Studios, Microsoft Technologies.
Language:	German fluent, English fluent, Spanish beginner
Personal:	Team player, innovative, entrepreneurial, motivates others, self-confident, punctual

OBJECTIVE

A career position as a Software Architect, while striving to integrate cutting-edge technologies.

EDUCATION

University of Applied Sciences Berne, Switzerland	9/2010 - 9/2013
Bachelor of Science in Electrical Engineering	
with a concentration in Computer Engineering	
Professional Baccalaureate: Technical Option	8/2008 - 7/2009
Certificate of Proficiency	8/2005 - 7/2009
Four year Apprenticeship as Electrical Engineer	8/2005 - 7/2009

EXPERIENCE

**Comfort Medical,
Software Developer**
Coral Springs, FL
October 2015 - Present

Accomplishments / Skills Obtained

As a backend developer for a medical device supplier, I am responsible for the whole process of prescription handling, automatic creation of orders, lead import and communication to several APIs. The data gets mainly stored in SQL databases or in MongoDB for flexible schemas. All projects are saved in Bitbucket repositories for easy collaborations between developers. My work ranges from user applications, developing new processes from scratch, analyzing data, to database design.

We are a small team, therefore I have the opportunity to be involved in various projects, and collaborate with every layer of employees. My goal is to ensure that the company utilizes state-of-the-art technologies in order to optimize productivity and save costs.

Summary:
- MongoDB and SQL Server
- C# (WCF, Windows Forms, MVC, REST)
- Project lead, organization, execution
- Report creation
- Source control with Bitbucket
- Optimisation of code performance
- Collaboration from general manager down

Lowkel LLC, Startup Founder/ Software Developer
Pembroke Pines, FL
March 2014 - October 2015

Accomplishments / Skills Obtained

Development of a Geo-location messaging application using Python and Django web framework. All the messages were stored in a mySQL database for a limited time. During this project, I refined my web development skills (HTML, CSS, JS, JQuery, SQL). A native iOS app, Xcode 6, and Objective-C was used in order to integrate the web application. The application ran on the EC2 virtual Linux Ubuntu server in the cloud from Amazon web services (AWS). The company was founded in June 2014, and has since been submitted to various accelerator programs throughout the U.S.

Summary:
- Web development with Python/Django
- Database programming
- Refined web development skills
- Linux Ubuntu Server from AWS

University of Applied Sciences, Senior Project
Berne, Switzerland
June 2013 - July 2013

Accomplishments / Skills Obtained

For my senior project, I built a wireless low-energy consumption meter from scratch. It was called *Smart Plug*, and was connected to a socket, which enabled the reading of energy consumption of any attached device using a smartphone/tablet. In order to keep the energy consumption of the Smart Plug to a minimum, an ARM-Cortex M0 microcontroller and Bluetooth low-energy 4.0 chip was utilized. To allow simultaneous data measuring and data exchange between the devices, freeRTOS was used. The microcontroller was programmed in C/C++.

Summary:
- Designed energy consumption meter using Altium Designer and Keil uVision
- Integrated Bluetooth 4.0
- Communication between hardware and tablet

Meyer Burger AG, Electrical Machine Engineer
Thun, Switzerland
March 2010 - July 2013

Accomplishments / Skills Obtained

Meyer Burger AG offers machines and integrated complete systems for slicing hard and brittle materials such as silicon and sapphire. I was part of the assembling process of wafer-cutting machines which are used to produce solar panels. In addition I was responsible of modifying the workflow of a dice-cutter-machine prototype.

Summary:
- Optimized a workflow for a prototype
- Learned to handle stressful situations
- Responsibility over machinery
- Collaborated with Mechanical Engineers

LWB (Lehrwerkstätten Bern), Electrical Engineer Apprenticeship
Berne, Switzerland
August 2005 - August 2009

Accomplishments / Skills Obtained

During my four-year apprenticeship, I created tools that inevitably would assist other schools teach embedded programming. The overall project included hardware development with Altium Designer and software development in C. I acquired techniques with measurement tools, like oscilloscopes and multimeters. Six weeks out of each year, I spent time working within the production plant where I was required to assemble various hospital devices. Simultaneously, I was enrolled in the theoretical portion of the program, where I learned how to calculate electrical circuits.

Summary:
- Software Design in (C, Assembler and slightly C++)
- Measurement techniques (oscilloscope, multi-meter)
- Fundamental knowledge of engineering (Electrical Engineering, Electronics, Software Engineering)
- Advanced mathematics