

Summary

Resourceful, enthusiastic and sociable geek with a long-time passion for software engineering, a background in molecular biology and a knack for quality software.

Learning QBasic, Pascal, Perl and C++ in my teens sparked my passion for software engineering. To understand how nature solved engineering problems, I graduated as a Molecular Biologist in 2008, with a minor in Computer Science.

I delved into the challenging world of Software Test Engineering at the bioinformatics company Genedata. A couple of high quality releases later I joined pharmaceutical research IT at the bio-tech company Actelion, enabling scientists to work efficiently by maintaining a

diverse set of laboratory software.

Politicized by global events I started working as elected President for the Pirate Party Basel in my spare-time and later full-time. Having gathered an enthusiastic base I strived to establish information policy as a topic in the local debate.

In 2011 I joined Netbreeze as a Software Engineer in the core development team. The social media monitoring product attracted interest from Microsoft leading to the acquisition of Netbreeze in Spring 2013. The challenges of producing a high-quality, scalable and compliant platform have led me into new and exciting areas of Software Engineering.

Experience

Microsoft Corp.

ZÜRICH, SWITZERLAND

Software Development Engineer

Aug '11 – present

Employed at Netbreeze GmbH until March 2013 as part of the core development team I took over responsibility for the data acquisition back-end. Other duties included operating the productive system on AWS nodes running Linux were my main duties or capturing big data streams into a Solr indexing server. My contributions to methodology were greatly valued, the team-chat facilitates communication between distributed team members and the new wiki software leads to quality documentation. After being integrated into the Microsoft family, I facilitated getting the Netbreeze software to pass legal and security quality gates. As an engineer and scrum master I took a major role in converting the existing code-base into a scalable platform, deploying it using Puppet and moving the back-end from AWS to Azure and Postgres to SQL Azure. Currently, I am part of a multi-disciplinary service engineering team and design, plan and implement a cloud provisioning framework based on Groovy and YAML for integration with Puppet and Hieracore.

Actelion Pharmaceuticals Ltd

ALLSCHWIL, SWITZERLAND

IT Analyst Drug Discovery

Jan '10 – Feb '11

Actelion is a internationally operating bio-tech company featuring a large research facility in Allschwil. I served as the interface between the pharmaceutical research staff and corporate IT and maintained a broad set of scientific software. When a managed client was rolled out company-wide, I ensured a high acceptance rate in the demanding environment by careful scheduling of migrations and replacing incompatible legacy software with newer versions or alternatives.

Genedata AG

BASEL, SWITZERLAND

Software Test Engineer

Mar '08 – Nov '09

Genedata develops software that streamlines R&D workflows and improves research productivity of pharmaceutical and biotechnology companies. I was responsible for ensuring quality assurance of a High-Throughput-Screening data analysis software. I planned, designed and performed functional, acceptance, confirmation and regression tests. As part of a Scrum team I excelled in diplomatic and tactful cooperation with the developers. I have developed a Java servlet based test management tool which has been in use ever since.

Zabolotny Institute of Microbiology

KIEV, UKRAINE

Trainee in Microbiology

Aug '06 – Sep '06

Traineeship at a microbiological laboratory; researching effects of electromagnetic radiation on yeast.

Education

Biozentrum, University of Basel

BASEL, SWITZERLAND

Master of Science in Molecular Biology, Major in Cell Biology

Oct '06 – Mar '08

Under the supervision of Dr. San Paolo and Prof. Keller I finished my studies with a master thesis about the influence of an *E. coli* enzyme on protein translation efficiency (GPA 5.5/6). Lectures on Java programming and web technologies completed my education.

Training

CS169.1x: Software as a Service

BerkeleyX Online Education

Prof. David Patterson, Prof. Armando Fox

Jan '13

Engineering long-lasting software using Ruby on Rails. Design, development, testing, and public cloud deployment of a simple application using modern development techniques including behavior-driven design, user stories, test-driven development, velocity, and pair programming.

Design and Analysis of Algorithms I

Stanford University Online Education

Prof. Tim Roughgarden

Apr '12

Divide-and-conquer algorithms, master method, different sorting algorithms, breadth- and depth-first-search, Dijkstra, heaps, hash tables and balanced binary search trees.

Junior Level Linux Professional

Linux Professional Institute

LPIC-1

Mar '10

In-depth understanding of the GNU/Linux operating system, its setup, administration and daily use.

ISTQB Certified Software Tester

International Software Testing Qualifications Board

Foundation Level

Apr '09

Understanding of software testing such as software life-cycle, static techniques, test design techniques, test management and tool support.

Sun Certified Java Programmer for the Java Platform

Sun Microsystems

Java Standard Edition 6

Aug '08

Core features and constructs of the Java programming language and its core library.

Skills

Strong technologies Java, Java EE (JPA, JMS, Servlet), Groovy, Git, Spring, Hibernate, Maven, Jenkins, Azure, Puppet, Vagrant, GNU/Linux, Bash, Unit Testing, PostgreSQL, SQL Azure, AWS, Google Web Toolkit, Glassfish, Jetty, Apache, Subversion, DokuWiki, Scrum, Social Media APIs, OpenSSL, DokuWiki, Standard Office Suites, LaTeX, YAML, XML

Familiar technologies Python, GWT, Icinga, Nginx, HAProxy, Solr, GATE, Ruby/Rails, Perl, C, C++, PHP, MySQL

Languages: German (*mother tongue*), English (*full professional proficiency; CAE, TOEFL 109/120*) and French (*elementary proficiency*).

Voluntary Work

Pirate Party Basel

BASEL, SWITZERLAND

President

Nov '10 – Mar '13

In my spare-time I helped establish the Pirate Party in Switzerland and took over a leading role in the regional chapter in Basel. I coordinated the work of the board, planned and participated in elections, represented the party in the media and collaborated with other sections and the national board. The efficient and enthusiastic work-force I built up managed to attract new activists and inspired many to engage in political issues.

Interests

Enjoying live music, going to the gym, strategic card games, pen & paper RPGs, video gaming culture, geocaching, cooking

References

Are available upon request.