

Summary

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

Learning from books I wrote my first QBasic application at the age of 13. Later I delved into Pascal, Perl, C and C++. My passion for software engineering was sparked.

To understand how nature tackles the engineering problem of encoding complex living things in DNA, I graduated in Molecular Biology in 2008. A minor in Computer Science was a natural choice.

After my graduation, the bioinformatics company Genedata hired me as a Test Engineer. My careful and thorough testing efforts in close collaboration with developers resulted in high quality releases.

To explore the quickly growing field of IT in pharmaceutical research I took on a position at the bio-tech

company Actelion. I have enabled scientists to work efficiently by maintaining a diverse set of laboratory software.

During this time, I was politicized by global events and started voluntary work for the Pirate Party in my spare-time. As elected president of the Pirates in Basel I strive 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. I contribute to the main product on the front- and back-end. The web application is closely tied to the fast moving and ever-growing world of social media. For a new feature, I have developed a prototype that stores data from a large data stream in the Solr indexing server.

The roller-coaster ride of being acquired by Microsoft in Spring 2013 is unforgettable. The challenges of producing high-quality, scalable and compliant platform push me into new areas and teach me a lot.

Experience

Microsoft Corp.

DÜBENDORF, SWITZERLAND

Software Development Engineer

Mar '13 – present

After being integrated into the Microsoft family, there was a lot of work to be done getting the Netbreeze software to pass legal and security quality gates. I then 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. Freshly hired colleagues were quick to jump into development with my help and training.

Netbreeze GmbH

DÜBENDORF, SWITZERLAND

Software Engineer

Aug '11 – Feb '13

Netbreeze helps companies and PR agencies observe and analyse online and social media. As part of the core development team I took over responsibility for parts of the back-end, operate the productive system on a cloud hosting provider and contribute to product development. I created a prototype that captures a big data stream and stores it in the Solr indexing server. My contributions to methodology are greatly valued, the team-chat facilitates communication between distributed team members and the new wiki software leads to quality documentation.

Actelion Pharmaceuticals Ltd

ALLSCHWIL, SWITZERLAND

IT Onsite Support 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

Trainee in Microbiology

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

KIEV, UKRAINE

Aug '06 – Sep '06

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), Spring, Hibernate, Maven, Jenkins, Git, Puppet, Vagrant, GNU/Linux, Bash, Unit Testing, PostgreSQL, SQL Azure, AWS, Google Web Toolkit, Glassfish, Jetty, Apache, Subversion, DokuWiki, Scrum, Python, Social Media APIs, OpenSSL, Standard Office Suites

Familiar technologies Gradle/Groovy, Icinga, Nginx, HAProxy, LaTeX, 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 Recorded and Live Music; Going to the Gym, Strategic Card Games, Table-top RPG, Video Gaming, Geocaching, Cooking

References

Are available upon request.