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Experience

2011–present **Software Engineer**, *Panter llc*, Zürich.
Cutting edge web development.

- Worked on a team creating a new social platform for music enthusiasts in Rails 3.1, jQuery, HTML5, CSS3. Been involved in most parts of the application and was the tech contact for the customer.
  http://bandplanet.com
- Built a study management tool for Straumann AG. Scientific studies are hard to track - from proposals to management of products, prototypes, documents, responsibilities and todos everything is done in this application. Completing a study can take up to five years and includes many users, tasks and generic workflows. Utilizing jRuby, Rails 3.1, Jetty, Twitter Bootstrap, jQuery, CSS3.
- Built a multitenant sports club management system with user role, schedule, appointment and club membership management for ActiveCare AG in Rails 3.0, jQuery, CSS3, Grid960.
- Built a product finder to be embedded in a lager business application for Phonak AG. It matches compatibility of mobile phones to Phonak products - utilizing CSV imports, Ajax, Rails 3.0, jQuery and CSS3.
- Customized an existing Panter Rails application for Phonak AG which is used to streamline the internal marketing. Modification was done on the complex reporting system which does Excel 2011 exports.
- Built an internal controlling application in Rails 3.0, jQuery and Grid960. It is used for all Panter projects to keep track of their respective state and profitability as well as being a support for planning resources.
- Built a customized website for the band Pianobeat using RefineryCMS, Rails 3.0, jQuery and CSS3.
  http://pianobeat.ch
- Built a customized website for Firstcars using RefineryCMS, Rails 3.0, jQuery and CSS3.
  http://firstcars.ch
- Internal consulting on technology stack for webbased iPad application for Starticket. Went with BackboneJS, UnderscoreJS, jQuery and CSS3. Demo was done in jQuery Mobile.
- Worked on creating a new i18n translation engine for Rails 3.x applications.
- Integrated new features into multiple established applications with custom Panter CMS POL.
- Internal consulting on multiple applications and technology decisions.
- Helped bringing in new software engineers into the team. Taught utilizing different technology stacks, evaluated skills and worked close in pair programming sessions.
- Written offers and estimated efforts for front- and backend applications.
- Upgraded several legacy Rails 2.3 applications.
- Involved in internal hosting using Puppet, OpenVZ and Dreamhost.

2008–2011	**Software Engineer**, *Document Solutions AG*, Zürich.

Breaking through the analog-digital barrier.

- Designed and built OCR for recognizing metadata of half a million invoices per year.
- Helped design and build custom invoice workflows for five big corporations and two cantons.
- Designed and built the new product "Gerichtsurkunden"for Swiss Post. It processes every document sent by courts in Switzerland. Also did technical lead.
- Designed and built web application for statistical data analysis of 100'000 invoices per year.
- Created a data transfer client for Allianz to transfer eight kilometers of scanned documents.
- Technical project lead
  - Designed and implemented regression and system test automation. Also trained staff to use them.
  - Optimized project management structures.
    - Evaluated and customized project management software (Trac).
    - Organized and held internal training seminars (TDD, SOA, VIM).
  - Responsible for Kofax Suite (Capture, Transformation Module).
  - Responsible for Opentext DokuStar Professional.

Teaching experience

2011–present	**Lecturer**, *Hochschule für Technik*, Zürich.

- Lecture 'Introduction to programming in C' for semester 1
- Lecture 'Introduction to programming in C' for semester 7
- Lecture 'Webprogramming I' for semester 2

2007–2008	**Campus Ambassador**, *Sun Microsystems GmbH*, Stuttgart.

Bringing Sun Open Source technologies (Java, Opensolaris, Netbeans, OpenSPARC) to universities.

- Prepared and performed tech demos at Stuttgarts' universities.
  - Java SE6, Java EE5, Java FX
  - Solaris 10, Opensolaris, in particular ZFS and Zones
- Supported Sun events (i.e. Sun tech days).
- Marketed Sun OSS tech to decision makers at universities.

Computer skills

Unix	Daily use of Linux, OS X, (Solaris)	VIM	Unpaid evangelist
Writing	German, US, GB layouts with 450 characters per minute	Database	MySQL, PostgreSQL, Sqlite, MSSQL, (NoSQL)

Languages

Ruby on Rails	**Good**, *professional use*.
JS/Coffee/jQuery	**Good**, *professional use*.
HTML5/CSS	**Good**, *professional use*.
Python	**Good**, *daily professional and personal use for two years*.
C	**Good**, *started programming with it 12 years ago, teaching since 2011*.
Shell	**Good**, *daily use of Unices, writing scripts as needed*.
LaTeX	**Good**, *used when appropirate*.
Clojure	**Beginner**, *LISP of choice, learning it for private projects.*.
C#	**Needs refreshing**, *when .NET is needed*.
Java	**Needs refreshing**, *all courses in HfT. Also while working for Sun*.

German	**Native tongue**.
English	**Fluent**, *needed on a daily basis in different media*.
French	**Basic knowledge**, *five years in school*.

Interests

Open Source	Free Software Foundation member	Sports	Running, Cycling, Tai'Chi
GTD	Getting things done	Reading	Classics, novels, tech (news)
Zen	Daily meditation, member of Rinzai Zen Gesellschaft e.V.	Kaizen	Continuous improvement

Bachelor thesis

title	*Lieferscheine für Gerichtsurkunden*
ISBN	978-3639282436
Grade	1.0

Education

1993–2002	**Abitur**, *Klettgau Gymnasium*, Tiengen. Advanced Studies: German, English
2002–2003	**Geriatric care**, *Kreisalten- und Pflegeheim*, Jestetten. Alternative service
2003–2006	**University**, *Stuttgart*. Computer Science (Dipl. Inf.), 1 semester Linguistics, 1 semester Technical Biology
2006–today	**University of Applied Sciences (HfT)**, *Stuttgart*. Computer Science (B.Sc.)