

# Curriculum Vitae Urs Lerch

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Bachstrasse 100  
5000 Aarau

077 456 90 73  
mail@ulerch.net

Date of birth 01.04.1963  
Place of birth Basel (Switzerland)  
Nationality Swiss  
Marital status married, 1 child (2004)



## Technical and Conceptual IT Competences

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| <b>Know-how</b>     | Project management, Interaction Design, Free and Open Source Software, Linux                                 |
| <b>Development</b>  | SQL, PL/SQL, Java, HTML/CSS, JavaScript, Typescript, NodeJS, MeteorJS, React, JSON, XML, Python, Django      |
| <b>Databases</b>    | Oracle, SQL Server, mySQL, MongoDB   |
| <b>Tools</b>        | Eclipse, WebStorm, Git, Gitlab, Docker   |
| <b>Web Services</b> | Amazon Web Services (S3, EC2, Cloudfront, Route53, SQS, Workmail), Compose, Galaxy, Filestack, Wordpress.com |
| <b>API</b>          | Wordpress, Twitter, Facebook, SoundCloud, AWS (S3), Braintree Payment Gateway, Loggly                        |

## Industry Knowledge

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Retail trade, food production, pension fund management, banking, entertainment

## Professional Activities

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**10/2020 - now**      **Autexis IT AG, Villmergen AG**  
**Senior Software Engineer**

- Co-development of the company's product «Digital Factory Suite» (Typescript; Backend in NodeJS, typeORM, Mocha; MQTT; Frontend in React; Gateways in Node RED; preferred virtualization with Docker and Kubernetes)
- Project management for major customers in the food industry
- Functional support of a major customer in SAP MII

**01/2013 - 12/2021**      **Soundposter GmbH / Inc., Aarau and New York**

*Foundation of two start-ups to develop and license software and to provide free, paid, and advertising-financed internet-based services for (independent) musicians.*

- Operational management, both in New York and Aarau
- Development of the software using MeteorJS (based on NodeJS), Less.js and MongoDB
- Implementation of interfaces (Amazon, Twitter, Facebook, (Twitter, Facebook, Google, WordPress, SoundCloud)
- Implementation of a payment system (Braintree)
- Responsibility for the infrastructure based on Amazon Web Services (AWS)
- Administration and editing of a blog using WordPress
- Social Media Management
- Integration of advertisement in the blog

**01/2007 - 09/2020**      **Freelance Computer Science Consultant**

*Specializing in:*

- Free & Open Source Software
- Software development
- Web technologies
- Privacy & security

**10/1999 - 12/2006**      **clan informatik ag, Zürich**

**09/2002 - 12/2006 Business Unit Manager Development**

- Manager of nine employees
- Definition of concepts, technologies, and architecture
- Coordination with the subsidiary company in Brazil
- Responsibility for in-house server infrastructure

**12/2001 - 08/2002 Subproject Manager**

- Design and architecture of a flexible new client in Java
- Creation of a client prototype in Java
- Co-development of the new client in Java

**10/1999 - 11/2001 Senior Oracle Software Engineer**

- Collaboration on the redesign of the pension module on Oracle
- Realization of customer-specific adaptations and evaluations in PL/SQL and Oracle Forms/Reports

- 04/1989 - 09/1999 Manor, Headquarters Basel**  
**09/1994 - 09/1999 Analyst/Developer**
- Design and implementation of applications in the area of accounting incl. introduction and support
  - Implementation and support of interfaces in the area of EDI payment (DEBIT Advice)
- 03/1990 - 08/1994 Projectmanager, Department of Human Resources**
- Management of various projects in the field of HR
  - Support of department stores in matters of HR
  - Collecting data and creation of HR related statistics
  - Software development in the field of HR
  - Revision of the staff regulations
  - Implementation of projects in the department stores
- 04/1989 - 02/1990 Statistics-Coordinator, Department of Audit/Organization**
- Merge, consolidate and distribute the daily sales data from department stores
  - Responsibility for coordinating the weekly, monthly, annual and seasonal statistical evaluations
  - Supervision of the continued development of the statistical software

## Education

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- 09/2010 - 06/2011 Visiting Scholar at NYU (Department of Media, Culture and Communication)**  
während eines Sabbaticals in New York
- 09/2006 - 05/2010 PhD in Economics at the Technical University of Berlin, Faculty IV - Electrical Engineering and Computer Science**
- Title of work: „Commercial development of Open-Source-Software: Idealism, Pragmatism or Strategy?“
- 09/1983 - 10/1988 Master study program in Economics, University of Basel**
- Thesis: „Interaction and group training in the development of human resources and leadership“ (Prof. Dr. W. R. Müller)  
lic. rer. pol. 1988 (equivalent to master)

## Certificates

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- |      | <b>Interaction Design Foundation</b>               |
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| 2023 | Design for a Better World with Don Norman          |
| 2018 | Dynamic User Experience: AJAX Design and Usability |
| 2017 | Get Your Product Used: Adoption and Appropriation  |
| 2015 | Human-Computer Interaction                         |
| 2015 | User-Centred Design                                |

## Languages

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- **German** Native language
- **English** Fluency both oral and written (level B2)
- **French** Basic (level A2)

## Volunteering

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- Co-Chairman One Laptop per Child (**OLPC**) Switzerland (aktuell)
- Member of the Parent Teacher Association, **PS3** (New York)
- Long-term junior soccer coach in Northwestern Switzerland (**J+S** level 3)

## Hobbies

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- Alternative pop/rock music (recording and listening)
- Literature (reading)
- Culture in general
- Soccer

## References

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*Will be gladly disclosed on request.*