

Contact

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Albulastrasse 52, 8048 Zurich

Swiss national

Born 2/2/1976

Core Skills

Software architectures

Agile practices

20 years Java microservices and UIs

DevOps

Certifications

iSAQB Certified Professional for Software Architecture

TOGAF 9

SAFe 5 Agilist

Languages

French (native)

English (fluent)

German (fluent)

Swiss German (good)

Education

Economics courses

University of Zurich, 2003 - 2004

Master's degree in Computer Science

Swiss Federal Institute of Technology (EPFL), 1994 - 1999

Diploma thesis

Freie Universität Berlin, 1998 - 1999

Exchange year

Carnegie Mellon University (USA) 1996 - 1997

Christophe Andrey

M.Sc. Computer Science, EPFL

Java Software Architect

Objectives

Design software applying state-of-the-art technologies.

Advise clients and coach coworkers in their software engineering efforts.

Why hire me?

Strong analytical skills: I solve problems efficiently, relentlessly optimize my activities and quickly grab the “big picture”.

Technical leadership: I love driving projects to success by rapidly aligning stakeholders around a shared and realistic technical design.

Consulting mindset: I pay attention to organizational and human needs behind technical issues.

Excellent writing skills: I write both documents and code with the same passion for quality, adapted to their readership, and I leverage modern AI tools.

Experience

Software Engineer eBanking

2BIT for ZKB - Zurich

June 2026 – present

- Performed architecture audits of eBanking applications.

Sabbatical

- Bike touring, personal development, traveling, winter sports

Software architect specialized in rail network topology

Freelance and AKROS for SBB - Berne

Feb 2015 - Apr 2025

- Assumed the technical lead in three self-organizing, cross-functional DevOps teams.
- Designed alternative ways to integrate a new GIS platform into an existing railway topology system (a temporal database with long transactions).
- Built proofs-of-concept with ArcGIS Pro (C#), ArcObjects (Java) and Oracle Locator (PL/SQL) and then took part in the development of the chosen solution.
- Specified and implemented an optimization algorithm operating on graphs, which allowed for an efficient, automatic calculation of train schedules.
- Contributed to the overall design of the company's integrated topology platform (itop) by specifying a microservice combining the different aspects of a topology.

Eclipse Rich Client Platform developer

Freelance for UBS - Zurich

Dec 2013 - Feb 2015

- Developed highly customizable GUIs for the management of portfolios.

Solutions architect

Freelance for the Federal Department of Justice and Police - Berne

Mar 2012 - Sep 2013

- Designed the architecture, specified and prototyped a secure data processing pipeline transporting biometric data captured by private companies throughout the world and centralizing it into the Swiss visa application system.
- Defined a data exchange format for visa applications using XSD, RSA encryption, cryptographic message syntax and digital signatures based on the Swiss AdminPKI.
- Gathered and negotiated requirements for the system with its two sponsors: the Federal Office for Migration as data owner and the Consular Directorate as user.
- Formulated the technical requirements of a platform for various authorities to exchange electronic documents concerning foreign residents, and assessed the feasibility and architectural compliance of its business requirements.

Consultant technical architecture

Capgemini - Zurich

Nov 2010 - May 2011

- Specified a data warehouse adapter for PostFinance.
- Configured a Salesforce application for an automobile insurer.

Technical architect and Java EE developer

Capgemini for CSS Insurance - Lucerne

Apr 2009 - Feb 2011

- Designed, implemented and maintained GWT-GUIs integrated in a Siebel portal for managing contracts.
- Designed, implemented and maintained batches for calculating and printing commissions for brokers.
- Designed, implemented and maintained a rule engine for calculating offers, integrating it via SOA over six corporate divisions.
- Provided 3rd level support of the core system managing contracts, products and commissions. Coordinated emergency responses to production problems.
- Coached new hires in the development and support teams.

Consultant technical architecture

Capgemini sd&m - Zurich

June 2008 - Mar 2009

- Conducted an architectural audit of a real estate platform written in .NET.
- Designed an automatic data entry system as an ETL process integrated in an SOA, for a company providing financial data.
- Wrote bids (incl. raw architecture, effort estimates and presentations) pertaining to software re-engineering, application management, development off-shoring and staffing for companies in finance, logistics or real estate.

Chair of the Annual General Meeting

Erasmus Student Network - Zurich, Besançon

Jan 2008 - Mar 2008

- Prepared and moderated a conference of 450 delegates from all over Europe.

Community Involvement

Erasmus Student Network

Zurich, Besançon

Nov 2003 - Apr 2010

Europe-wide organization helping the cultural and social integration of exchange students

- Organized cultural and social events.
- Mentored foreign students and coached new members.
- Managed legal, motivational and communication aspects of a crisis in the European network in 2009.

Toastmasters

Zurich

Nov 2003 - Mar 2008

International organization dedicated to developing the communication and leadership skills of its members

- Co-founded one club and recruited new members.

Students' Parliament

University of Zurich

Jan 2004 - Dec 2004

An elected representation of the 23,000 students of the University of Zurich

- Contributed to the formulation of non-smoking guidelines, which subsequently gained wide public acceptance in university buildings.

Skills

Architecture & Practices

Software architectures, IT consulting, Java micro-services, DDD (domain-driven design), design patterns, EAI and SOA patterns, object-oriented design, minimum viable Product (MVP), API design, REST, clean Code, Arc42 ■■■■

Service-oriented architectures, DevOps, geographic information systems (GIS), Event-driven architecture, MDA (Model Driven Architecture), lean development, rapid prototyping ■■■□

Onion architecture ■■□□

TOGAF ■□□□

Requirements Engineering

Gathering non-functional requirements, use cases ■■■■

User stories, Polarion ALM, UI prototyping ■■□□

GUI design, wireframing ■□□□

Collaboration & Management

Scrum, SAFe, Kanban, self-organized teams, cross-functional teams, agile practices ■■■■

Stakeholder management, coaching new employees ■■■□

Facilitation, employee selection, project planning, 3rd-level support ■■□□

Knowledge management ■□□□

Programming Languages

Java ■■■■

SQL ■■■□

Kotlin, C#, PHP ■■□□

JavaScript, VBA ■□□□

Development Tools

IntelliJ, OpenAPI / Swagger, AsyncAPI ■■■■

UML, Visual Studio, Eclipse, Git, GitOps, Maven ■■■□

Claude Code in IntelliJ, GPT-5 ■■□□

Frameworks

Spring, Spring Boot, Spring Data, Hibernate, Java Persistence API, Flyway, Eclipse Rich Client Platform, JSP, Struts, Swing, Spring MVC ■■■□

.NET, Java EE, SOAP, GWT, EJB, JMS, Thymeleaf ■■□□

OSGi, OAuth 2 ■□□□

Infrastructure

OpenShift ■■■□

Kafka, AWS Cloud ■■□□

Solace, WebLogic, JBoss, WebSphere ■□□□

DevOps

CI/CD, Tekton, Jenkins ■■■□

ArgoCD, Splunk ■■□□

New Relic ■□□□

Databases

Relational databases, data modeling	■■■■
SQL, temporal databases, Postgres, PostGIS, Oracle, Squirrel, Toad, pgAdmin	■■■□
Master data management, MySQL, MariaDB, ETL/ELT	■■□□
PL/SQL, T-SQL, MS SQL Server, data warehouse	■□□□

Testing & QA

JUnit, testing pyramid, unit tests	■■■■
AssertJ, integration testing	■■■□
BDD (Behavior-Driven Development), HP Quality Center / ALM, load and performance testing, Pact, SonarQube, test management, writing test cases	■■□□
Test execution	■□□□

Standard Software

Confluence, Jira, Microsoft Office	■■■□
ArcGIS Pro, Linux, Windows 11, macOS	■■□□

Formats

JSON, XML, YAML	■■■□
XSD, HTML5	■■□□

Industries

Railway, health insurance, public transportation, banking and finance	■■□□
Healthcare, REM (Real Estate Management), property insurance, road traffic, public administration	■□□□

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Scale

Expert (very good competence)	■■■■
Senior (good competence)	■■■□
Professional (some experience)	■■□□
Junior (basic knowledge)	■□□□