

# CURRICULUM VITAE



## Personal Data

**Dipl. Ing. Dr. techn. Johannes Michael Schleicher, Bakk. techn.**

Born on July 6<sup>th</sup> 1982 in Klagenfurt, Carinthia, AUT

Married with 2 children

Contact:

[me@jomis.net](mailto:me@jomis.net)

Natural Languages:

German, native language

English, proficient written and oral skills

Italian, basic knowledge

## Education

2013 - 2017 **Doctoral Studies in Distributed Systems** @ Technical University of Vienna

Special focus on Distributed Systems, Autonomous and Elastic Systems, IoT (Internet of Things) and Smart Cities. Part of the doctoral college **URBEM** (<http://urbem.tuwien.ac.at>) enabling large-scale energy and mobility simulations for future Smart Cities.

Dissertation: Engineering and Management of Heterogeneous Smart City Application Ecosystems

Received the Award of Excellence 2017: the highest national recognition for outstanding dissertations.

Authored multiple papers in premier journals and conferences, accumulating over 600 citations. For a detailed list, see my [Google Scholar profile](#)

**Graduated with distinction**

2006 - 2010 **Master's degree in Software Engineering & Internet Computing** @ Vienna University of Technology

Thesis: Towards a distributed Concept Search Framework for specialized Domains

**Graduated with distinction**

2001 - 2004 **Bachelor's degree in Software & Information Engineering** @ Vienna University of Technology

Special focus on Information Engineering and Artificial Intelligence

1996 - 2001 **Higher Technical College for Information Technology**

Pursued a combined program in Information Technology and foundational Business concepts.

Authored a college thesis on Software Metrics.

**Graduated as top of the class with distinction**

## Work experience

since 2013 CEO & Heart @ **JadeMind GmbH** ([www.jademind.com](http://www.jademind.com))

Management and Technology Consulting with a focus on Distributed Systems, IoT, AI, Web and Mobile Application Development for multiple renowned clients in the energy, space and health care domain. A selection of our clients: Philipps, Siemens, Alteso, Frequentis, Maierhofer, Wienerberger and Heise.

2019 - 2024 CIO & technological lead @ **neoom AG** ([www.neoom.com](http://www.neoom.com))

neoom is Austria's leading cleantech company, specialising in eco-friendly and economically efficient renewable distributed energy infrastructure solutions. Catering to a diverse clientele, from real estate magnates to utilities, neoom shines as a luminary in the renewable energy domain. During my tenure, I played a pivotal role as the leading architect in the software and intelligence department, contributing significantly to the company's innovative strides in software and analytics. I helped scale the company from 19 to almost 300 employees overseeing the whole development process where we scaled the platform to over 10.000 sites and 100 million euros in revenue.

2010 - 2013 **ilogs Group** ([www.ilogs.com](http://www.ilogs.com)) / **SimpliFlow GmbH** ([www.simpliflow.com](http://www.simpliflow.com)) a member of the ilogs Group

2011-2013 **CIO SimpliFlow GmbH**

Design, architecture / infrastructure and development of Flow Professional Sports a Sport Scientific Training Solution for high performance athletes, consisting of a knowledge management system, web portal, REST based service platform and mobile clients for iOS and Android.

Technology Stack: Ruby, Clojure, Rails, Sinatra, Document Oriented Databases, Map/Reduce, Objective C, Java, SOA

Design and project leader for the FlowTag, an in-house developed hardware accessory and sensor platform to monitor and analyse movement patterns of athletes.

Architecture and development of SafeMotion a research project in the Ambient Assisted Living Domain. The goal of the project was to help Alzheimer's patients and cognitive disabled persons to stay at home

as long as possible, by providing fall and danger zone detection mechanisms with automated alarm chains.

Technology Stack: Ruby, Rails, Relational Databases, Asterisk, SOA

2010-2011 **Senior Consultant Professional Services ilogs GmbH**

ilogs internal project leader for the technical E-Commerce agenda for Libro, one of Austria's biggest retailers. Main focus was workflow and process analysis as well as reengineering.

Design and architecture of several solutions in the Parking Domain, including restmycar.com as well as the ADAC App. Focus on high availability service oriented systems.

Technology Stack: Ruby, Rails, Relational Databases, Redis, Memcached, SOA

2008 - 2010 **CEO Blackwhale GmbH ([www.blackwhale.at](http://www.blackwhale.at))**

2010 Design and architecture of ARStreets for Fingertips, an Augmented Reality and Geolocation platform for the iPhone.

Technology Stack: Ruby, Rails, Relational Databases, Objective C

2009-2010 Development of Common Sense and Pakake a cloud based Context Sensitive Knowledge Management Middleware and Application.

Technology Stack: Ruby, Rails, Document Oriented Databases, Objective C

2009-2010 Design and development of a Sport Medical Knowledge Management Solution for SimpliFlow, including a hardware platform to integrate multiple context sensors.

2010 Design / architecture and project leader of Jolein ([www.jolein.at](http://www.jolein.at)) a cloud based Duty and Resource planning system with mobile clients for the iPhone and the iPad.

Technology Stack: Ruby, Rails, Relational Databases, Objective C

2008-09 Completed 3 major cloud based applications in the enterprise domain, including a large scale production planning system, an online marketing system with video integration and a resource management application including several mobile applications (iPhone, Android, Blackberry platform).

Technology Stack: Ruby, Rails, Relational Databases, Streaming Technologies, Objective C, Java

2006 - 2008 **Several projects as freelancer**

Development of an air traffic control and management system for the Belgium Air Control, Company Frequentis ([www.frequentis.com](http://www.frequentis.com)).

Technology Stack: Java, Relational Databases, ESB Systems, Spring

Assessing and planning a Java based mobile middleware for ilogs GmbH ([www.ilogs.com](http://www.ilogs.com)).

Technology Stack: Java, J2ME

Designing and developing a mobile Medical Health Care Platform for Emergency Response Teams ilogs GmbH ([www.ilogs.com](http://www.ilogs.com)).

Technology Stack: C#, .NET Framework

2004 - 2006 **ilogs GmbH** ([www.ilogs.com](http://www.ilogs.com)) / **UBS AG Switzerland** ([www.ubs.com](http://www.ubs.com))

Planning, realisation and project management of several projects within the Workflow and J2EE domain, among others within the areas of Change Management / Compliance and Mobile Solutions.

Technology Stack: Java, Spring, @enterprise, Workflow Systems, BPEL

### Academic Research / Internships

- 2010 **Member of the European Space Agency Semantic Space Study** in cooperation with the Vienna University of Technology.  
Designed a Social Semantic Search Framework for the Space domain.
- 2004 **Internship at the Department of Medical Cybernetics and Artificial Intelligence** in collaboration with the Department of Artificial Intelligence at the Vienna University of Technology: Chord Segmentation using EM-HMM
- 2003-2004 **Tutorship**: Object-oriented Programming at the Department of Computer Languages, Vienna University of Technology, the utilised language was Java.
- 2002-2004 **Tutorship**: Introduction to Structured and Object-oriented Programming at the Department of Automation, Vienna University of Technology, the utilised language was Java.
- 1999 **Genesis (Uniquare) Financial Solutions** ([www.uniquare.com](http://www.uniquare.com))

Development of a program to analyse object-oriented software metrics. Realisation of the Parsers and the Analytical tools by means of ReXX and Lotus Notes, as well as Java.

1997 / 1998 **Siemens Klagenfurt, Department of Communication Systems**  
Design of an application to perform automatic accounting within the HICOM telephone system.

## Personal Interests

### General

Biological and Artificial Intelligence, Design, Philosophy, Music (7 years of classical guitar), Zen (Rinzai Vienna), Cycling, Rowing and Weight Training.