

Christoph Singewald

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Summary

As a detail-oriented and motivated software engineer with an exceptional educational background in computer science and technology, I specialise in computational intelligence and knowledge-based systems. I am proficient in all the essential software engineering skills, including full-stack development, and excel in analysing in analyzing and transforming business processes, building enterprise knowledge graphs and simulating software agents. I lead product development teams focused on user interaction. As algorithms become more widespread, their social and societal impact and interaction with humans are increasingly my focus.

Area of Expertise

Planning and modeling of (business) processes (BPMN, EPK, DMN), automation of decisions in processes, process mining, reinforcement learning, knowledge engineering (ontologies, enterprise knowledge graph, RDF/ OWL/ Cypher), logic and probabilistic reasoning, design of intelligent software agents, graph theory, graph representation learning, probabilistic graphical models, software product management, React/ Svelte/ SolidJs, NodeJS, Python, NIM, Julia, Docker, SQL, React Native, Game Engine Godot – Older skills: Java, C++
I currently work with Linux (desktop) and macOS (laptop), but I also have experience with Microsoft Windows.

Education

Technische Universität Wien

Master of Science in computer science

Computational intelligence, knowledge-based systems, and data mining

1997 - 2008

Fachschule für Elektrotechnik, HTL-Innsbruck

Electrical Engineering

1987-1992

Experience

Chenos e.U.

Company Owner - [chenos.com](<https://www.chenos.com>)

Consulting, design, and development in software projects

Customers: Synpoint GmbH, Austrian Armed Forces, BVAEB

([bvaeb.at](<https://www.bvaeb.at/>)), Unisys AG, Greentube IS AG, base-camp Kadl &

Partner, AIM Software GMBH, hautkontakt.at, carmentis.com

Feb. 2003 – present

Syncpoint GmbH

Managing Partner - [syncpoint.io](<https://www.syncpoint.io>)

Consulting, design, and development in software projects

Development of the Open Source C2IS ODIN. (odin.syncpoint.io, syncpoint.io)

Customers: Salzburg AG, AIT, BMLV (ÖBH), BMBWF, Ingram Micro Austria

Apr. 2014 – Mar. 2025

Nuvitec Haller & Singewald OEG

Company Owner - [nuvitec.com](<https://www.nuvitec.com>)

Consulting, design, and development

Customers: Pädagogischen Akademie Innsbruck, Halbedel GmbH

Jun. 2001 – Jun. 2004

Firma 24/7 (Kapsch BC)

Software developer (J2EE with Oracle)

Customers: Verbund AG

Jan. 2000 – Feb. 2002

Additional Skills and Interests

Language: German, English

Interests: Theater (clowning – physical theater), juggling, philosophy, sports