



Ilkka Kudjoi

Date of birth 18.1.1982

Curriculum Vitae

I have already twelve years of experience in the software industry in versatile tasks. Currently I'm more focused on backend, most of all on databases, but I have also been a Full Stack Developer. I love solving complex problems, building CI/CD pipelines on database solutions and automating ETL processes. Feedback from customers has always been commendatory. I commute by bike almost every working day of the year and besides that I also live cross-country skiing, orienteering and also running without checkpoint targets. I also enjoy woodworks.

Education

- 2002–2007 **Master of Science in Technology**, *Helsinki University of Technology*
- 2006–2007 **Erasmus Exchange**, *University of Würzburg*
- 2001–2002 **Military service**, *Kainuu Brigade, Kajaani*

Master's thesis

- Topic** Applying the Gittins index to scheduling of a queueing system
- Supervisors** Esko Valkeila, Samuel Aalto
- Description** The objective of the thesis is to introduce reader to the Gittins index and demonstrate, how it can be applied to manage a queueing system.
- E-thesis** <http://web.lib.aalto.fi/fi/oa/db/INSSI/?cmd=get&id=35549>

Employment

- 01/2020– **Data Engineer**, VR GROUP
As a Data Engineer of the Passenger Traffic Data & Analytics Team I'm responsible of developing and maintaining integrations from various data sources to single Data & Analytics platform on Snowflake, development, maintenance and refurbishment of the platform and the support of in-house users of the platform. Besides Snowflake the other main technology choices are AWS stack maintained by Terraform and Python.

- 08/2019–12/2019 **DW Product Owner**, ANALYSE²
 As the product owner of our internal data warehouse and integration team I'm responsible of gathering internal and external requirements, writing user stories, task prioritization and roadmap planning. Currently we are transitioning our solution to Snowflake cloud, adopting modern CI/CD solutions and job orchestration.
- 01/2008–08/2019 **Jack of All Trades**, ANALYSE²
 During the first decade of my Analyse² career I've become a fully qualified software and database professional. I've taken care of various different responsibilities, including Team Lead, Product Owner and Technical Project Manager duties. Lately I've been focusing on integration, CI/CD, cloud adoption and data warehousing but I started as a Full Stack developer. Please see my LinkedIn profile for details.
- 03/2007–12/2007 **Research Assistant**, HELSINKI UNIVERSITY OF TECHNOLOGY
 I worked at Networking Laboratory writing my Master's Thesis.
- 09/2003–12/2005 **Course assistant**, HELSINKI UNIVERSITY OF TECHNOLOGY
 As an course assistant I was responsible of conducting weekly exercise sessions for undergraduate students in different courses on mathematics courses L1 and L2.
- 05/2004–08/2004 **Research Assistant**, HELSINKI UNIVERSITY OF TECHNOLOGY
 I made two special assignments during two consecutive summers at the Laboratory of Computer and Information Science at TKK.
- 05/2003–08/2003 **Research Assistant**, HELSINKI UNIVERSITY OF TECHNOLOGY

Programming skills

Languages & Scripting	C#, SQL, HTML, CSS, Ruby, Python, Bash, L ^A T _E X	Technologies & Frameworks	.NET, .NET Core, AWS, Terraform, Docker, Git, Gitlab, GitHub
OS	Linux, Windows	Database	MSSQL, Snowflake
Methods & Patterns	Object-oriented programming, TDD, IaC, Data Vault, Continuous integration (GitLab, GHA, TeamCity), Agile methods, Scrum		

Languages

Native	Finnish
Good	English German Swedish
Basics	Russian

Links

[Master's thesis](#)
[LinkedIn](#)