



Robert Sirviö

Date of birth 10.6.1989

Curriculum Vitae

Cloud and SaaS are my bread and butter. I take pride and enjoyment in owning the things I create - the ultimate measure of a solution's robustness, scalability and performance lies in its ability to withstand the test of time. I strive to maintain and communicate a comprehensive picture of product development, spanning from development processes and architecture to targets and requirements. Off-hours I focus on being the best father I can be while enjoying the Finnish wilderness.

Employment

08/2021– **Cloud DevOps Architect & Principal Architect, ANALYSE²**

As a Cloud DevOps Architect, my primary responsibility was overseeing architectural decisions across all products and ecosystems from a cloud-native perspective. The role was highly hands-on, involving both designing and implementing infrastructure components and automated processes, as well as developing and maintaining our Kubernetes clusters and GitLab VC and CI/CD infrastructure. My most significant projects included planning and leading the migration from a single AWS account setup to a multi-account structure, as well as conceptualizing, planning, and implementing the integration of a multi-tenant BI environment into our existing SaaS product. My transition to the role of Principal Architect reflects a broader shift in focus - from a cloud-native perspective to a comprehensive, all-encompassing architectural viewpoint.

01/2020–08/2021 **Software Team Lead, ANALYSE²**

I wanted to focus on the people and process aspects of software development, making this team lead position a perfect fit. The team was a newly formed, cross-functional group of Data Scientists and Data Engineers. Initially, my role was primarily oriented on our processes and team formation. Despite the challenges of the pandemic, we developed effective methods for collaboration and planning, which improved team cohesion, predictability, and overall well-being. Over time, my focus shifted to mentoring and implementing cloud-native technologies.

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02/2016–01/2020 **Full Stack Developer**, ANALYSE²

I was working, as a part of an agile development team, on a highly responsive single-page web-application. The product is an assortment planning-, and pricing software aimed at different retail markets. The backend is implemented as an .NET Core REST API, whereas the frontend is built with an MVVM implementation resting Angular. I also was a part of our cloud guild focusing on migrating to a consolidated runtime platform on Kubernetes.

06/2015–09/2015 **Portfolio Management Associate**, ESTLANDER & PARTNERS OY

The research for my master thesis was done for Estlander & Partners. The main topic was time series modelling of commodity futures utilizing Bayesian filtering algorithms. The objective was to quantify basis risk by simulating commodity spot price dynamics.

11/2014–02/2016 **Junior Full Stack Developer**, VALUATUM OY

I worked as a part of a developer team developing a credit risk and equity research web application (provided as SaaS). Both the backend (Java and MySQL) and frontend (JSP and JavaScript) rely heavily on different frameworks. I have also familiarized myself with different automated unit-, and integration testing techniques and technologies in my work at Valuatum.

Software Development Skills

Languages C#, TypeScript/JS, Bash, Python, SQL, HTML, CSS/LESS, \LaTeX

Tech & FW Cloudformation, CDK, Terraform, Docker, K8s, Helm, Robot Framework, .NET, Angular, git

Methodology Platform Engineering, DevOps, CI/CD, IaC, OOP, TDD, REST, Agile, Scrum

OS/Platform AWS, Azure, Snowflake, Linux, Windows

Database PostgreSQL, SQL Server, Redshift

Education

2014–2016 **Master of Science - Computer Assisted Mathematics**, *Helsinki University*

2010–2014 **Bachelor of Science - Mathematics**, *Helsinki University*

2009–2010 **Military service**, *Navy orchestra, Turku*

Languages

Native Swedish

Excellent Finnish English

Basics Japanese German

Misc

[Master's thesis](https://plhrja.github.io/gradu.pdf) (plhrja.github.io/gradu.pdf)

[LinkedIn](https://www.linkedin.com/in/rsirvio) ([linkedin.com/in/rsirvio](https://www.linkedin.com/in/rsirvio))



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