



Olli Kortelahti

Olli is a freelance software engineer with a passion for functional programming and building high-quality systems. He can deliver software end to end, from mapping out user needs to deploying the solution to the cloud. He values thought-out software development processes and aims to automate everything that can be automated.

[Github](#)

[LinkedIn](#)

Experience

Institute of Clever Stuff (freelance)

Aug 2020 ⇒ May 2022

Python Terraform BigQuery Apache Airflow Google Cloud Platform

Worked in a project combining data science and software for a one of the largest furniture retailer in the world. As part of the project lead a team of five data engineers and built data pipelines to supply other teams with financial data to be used in their analysis. Lead technical work on a product team of four junior software engineers.

Rare Agency Oy (freelance)

Jul 2020 ⇒ Aug 2020

Python React Azure

Did data analysis on customer service bot usage patterns and created a web application for presenting the results of analysis to the users. Helped a junior developer to succeed in their work on the project.

Veracell Oy (freelance)

Jun 2020 ⇒ Jul 2020

Python Google Cloud Platform

Did explorative data analysis on sleep cycles of patients from a sensory data for a healthcare IoT start-up. Played a key part in implementing a data ingestion pipeline for sensory data.

National Audit Office of Finland

May 2019 ⇒ May 2020

Python PowerBI

Developed a web application aiming to provide tools to automate and increase the

effectiveness of the work of financial auditors. Did data analysis work combining records of working hours and financial data in order to spot inaccuracies in working hour reporting. Organized a weekly programming course for financial and performance auditors to help them automate repetitive tasks in their daily work.

The Finnish Government Shared Services Centre for Finance and HR

May 2018 ⇔ Nov 2018

Python VBA

Automated several reoccurring and error-prone processes of a financial reporting team saving the team multiple man-days per month.

Personal projects

Event Organizing Web App

Haskell servant TypeScript React PostgreSQL Terraform Google Cloud Platform

Full-stack web application for organizing events and sending out invitation. Programmed with Haskell Servant in the backend and TypeScript React in the frontend.

Task Execution Manager

Concurrent Haskell servant

Task execution manager which executes directed acyclic graphs of tasks concurrently and exposes a REST API for monitoring the execution of the tasks.

BigQuery SQL Parser

Haskell megaparsec

A parser for BigQuery SQL syntax which can be used to validate and manipulate queries.

Education

- Master of Science (Computer Science), on-going
- Master of Administrative Sciences

Language skills

- Finnish – native
- English – full working proficiency