

Sakari Cajanus

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About

I have a Master's degree in Computational & Cognitive Bioscience -- in practice, applied statistics with a big focus on Bayesian methods. During my studies, I worked as a research assistant in Aki Vehtari's research group for Bayesian modeling, and took courses including Gaussian processes, Kalman filtering, point pattern modeling.

Since graduating, I have worked in the marine industry, opinion research, healthcare and most recently building internal tooling and pricing for consumer surplus commerce at Fiksuruoka. I am now looking for fresh opportunities to keep on learning and expand my career in new directions.

Technologies

Programming Languages	Python, JavaScript, Ruby, R
Databases	PostgreSQL, MySQL, BigQuery, Firebase, Redis, Snowflake
Cloud Platforms	GCP, (AWS)
Other	dbt, Airflow, Terraform, Docker, Django, Vue, git, ...

Experience & Projects

Foodello/Fiksuruoka __ eCommerce for surplus

After evaluating commercial offering in production, I developed an automatic pricing that handles both perishable and non-perishable goods in a fully automated & integrated fashion, with a focus on robustness and customer experience.

Tech: Django, PostgreSQL, Snowflake, serverless on GCP

Implemented multi-tenancy on existing Django app to enable expansion to further markets outside Finland, while keeping existing functionality and developer experience as transparent as possible.

Tech: Django, PostgreSQL, Vue

Mehiläinen __ Private Healthcare

Built integrations to survey quality-of-care data in a mobile app and enabled visibility and monitoring for medical practitioners. Project management tasks related to medical quality.

Tech: MySQL, PowerBI

Private Project __ Climbing

Standardized climbing wall Moonboard did not have a search-by-holds feature in their official app. Working with a route database from Android and later scraped over the web, I developed an Django app that for searching boulder problems that included selected holds. A similar feature was later added to the official app, following my example.

Tech: Django, SQLite, Selenium

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Civey — Opinion Research in Germany

I developed a Hidden Markov Model based recommendation system, that ensured users were seeing and answering relevant polls. While also improving user experience (engagement grew by 50%), it allowed each poll to get enough votes over time to reach and maintain statistical significance. It also could be expanded to include arbitrary logic for market research campaigns, while keeping the core functionality untouched.

Tech: PostgreSQL, gRPC, Airflow

Additionally led projects related to population data management and conversions and built internal web-based interfaces to the data.

Eniram — Maritime

I started as an analyst, before moving on to roles as a product manager for a team of physicists doing the modeling of ships energy consumption and LNG boil-off, as well as developer myself implementing weather data correctly from weather maps to match weather along a ship's course. Tr

Tech: Matlab, Python, netCDF4, Java, Tableau

Many badass coder lack the ability to explain coworkers what they do in a way that is understandable. Sakari got this incredible skill that you understand at least the foundations. And on top, his presentations are entertaining! Never experienced those three talents in one person!

-- Coworker from Civey

Timeline

2012	Bachelor of Science, Aalto University
2015	Master of Science, Aalto University
2011-2012	Research Assistant, BECS, Aalto University
2013	Master's Thesis, Polar Electro
2014-2017	Analyst, Software Developer, Product Manager, Eniram
2017	Adventure Guide, Asia Outdoors (Vietnam)
2018-2020	Product Owner, Data Scientist, Civey (Germany)
2019-2022	Freelancing through Incidental Epics, working with Civey, Mehiläinen and Fiksuruoka