

# Cover Letter

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I am Valdimar, currently working at the Housing and Construction Authority of Iceland. I have a background in Data Science, Programming and Statistics. I graduated from the University of St Andrews with a MSc. in Data-Intensive Analysis, achieving the highest grade classification possible. Additionally, I hold a BSc. degree in Economics from the University of Iceland.

At my current role, I primarily focus on developing and maintaining statistical models for predicting property prices in Iceland. A key responsibility has been migrating legacy R scripts and SQL procedures to a modern, modularized Python codebase with a database hosted in the cloud. This migration significantly improved code readability, model accuracy and performance. In addition to that, I work closely with the economics department including conducting data analysis and setting up a scheduled data pipeline for generating economical reports.

At Maven, I worked as a consultant with a focus on Data Engineering, working on end-to-end data warehouse management using Azure. I designed and implemented ETL pipelines, usually fetching data from APIs and storing them in SQL databases. I was also involved in integrating the data warehouse with git and creating CI/CD pipelines.

At Genuity Science my main task was creating Nextflow workflows running genome-wide association studies using cutting edge statistical algorithms. One of my key achievements was improving our most widely used workflow in such a way that the workload was split onto multiple clusters hosted by AWS achieving fast results even though the datasets were massive. After working on existing workflows, I used my knowledge to design new workflow from scratch while mentoring new hires in workflow development. In addition to my technical responsibilities, I also regularly performed demos of my work to non-technical coworkers making sure that complex concepts were easy to understand.

I am passionate about data and programming. I possess excellent skills in data manipulation, modelling and programming using R and Python. My expertise lies in data science and programming. I have experience in creating data pipelines from scratch and scaling existing data pipelines improving performance. Additionally, I like to program in my spare time, regularly using programming languages such as JavaScript and Dart.

During my career, I have acquired a diverse experience in multiple fields, becoming a key member at every company I worked for. I have worked closely with talented and dedicated individuals learning a lot from them including best practices of software development and how to work in a team with a different background and skills. I believe my diverse background combined with my skill set and positive attitude makes me an excellent addition to your team. For examples of work that I have done, you can take a look at my portfolio at: [vthr2.github.io/ferilskra/](https://vthr2.github.io/ferilskra/).

Currently I am living in Denmark and planning to stay there for the foreseeable future as my partner is studying and working in Copenhagen. Feel free to contact me at any time if you want to get to know me better at (+354) 693-4456 or [valdiragnars@gmail.com](mailto:valdiragnars@gmail.com).

Best Regards,  
Valdimar Thor Ragnarsson