Andri Bergsson
Software Developer

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EDUCATION

Technical University of Denmark   Lyngby, Denmark
Master of Science in Engineering in Mathematical Modelling and Computation   *September 2017 - Present*
Specializing in Data Science

University of Iceland   Reykjavík, Iceland
Bachelor of Science in Software Engineering; GPA: 8.73/10.0   *September 2013 - June 2016*

EXPERIENCE

Enalyzer   Copenhagen, Denmark
Full Stack Developer   *April 2017 - Present*

- Currently I'm working on the entire stack of our flagship application, www.enalyzer.com. However, for the past year and a half or so I've been doing backend work 90% of the time. We are a small team consisting of 8 developers in total. As a member of such a small team I need to take great ownership and responsibility of the code I write and I get to wear many hats each day. Our tech stack is a standard Microsoft stack, `SQL Server` and `C#` on the backend with `TypeScript` on the frontend, all served from `Azure`. Day to day activities include implementing new features, doing bug fixes, doing code reviews and solving architectural or other technical problems. In terms of the backend work, it mostly revolves around creating new API endpoints, setting up logic in business layers and data layers and writing automated tests for those, creating stored procedures and tables in our database, integrating with third party API's (like Braintree or Zapier), creating `Azure` functions and queues for batch computations and the list goes on and on.

RB - Reiknistofa Bankanna   Reykjavík, Iceland
Software Specialist   *May 2015 - December 2016*

- Reiknistofa Bankanna (RB) is an IT service centre for the Icelandic financial market covering all aspects of IT services. As a software specialist I worked closely with my teammates on the main project being carried out at the time, an integration of a new deposit and payment system. For this my team needed to write a set of web services (using `.NET`) with both payment and deposit functionality that communicated with our old existing backend as well as the new system that was being integrated. Day to day tasks included implementing new features, fixing bugs, doing extensive testing via automated tests, doing performance analysis of our web service operations, setting up databases and analyzing query performances and much more. As a summer project I also developed a proof of concept app on `Android` and later `iOS` that showcased mobile payment functionality built on top of our current systems. I also helped define our automated testing process and strategy.

University of Iceland   Reykjavík, Iceland
Teaching Assistant   *January 2015 - May 2015*

- **Course: Computer Science 2**: Teaching assistant for the course Computer Science 2, where I taught classes weekly for students where we discussed topics and homework assignments in the course. The position also involved grading homework assignments. The course is a deeper dive into compsci's first year mandatory curriculum. Data structures and algorithms for searching, sorting, trees and graphs and their implementations where the main topics of the course.

PROGRAMMING CHOPS

Languages: `C#, JavaScript, TypeScript, Python, SQL, HTML, CSS, Java, Bash scripting, C, Go`
Other tools and technologies: `Vim, Git, Azure, Visual Studio, SSMS, Redis`

→ In short, I love

- `Vim`
- Microsoft's whole stack. `T-SQL` and `SSMS`, `C#`, `.NET`, `TypeScript` and `Visual Studio` and all things `Azure`.
- `Python` for data science related things.
- `Git` for version control.
- `Unix` and `Unix-like` systems.
- Working on adding `Go` to the toolbox.