

UMUT AKKAYA

Full-Stack Developer

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Summary

Full-stack developer at a financial startup, Borrowell. I am a binge watcher, piano player and city explorer.

Skills & Abilities

Advanced Proficiency: HTML, CSS, JavaScript, C#, git/SVN, Python, SQL, CosmosDB, Angular, Typescript, .NET Core, React, Azure

Intermediate Proficiency: NodeJS, GOLang, C, Java, MongoDB, Shell scripting, PHP

Experience

Borrowell – Full-Stack Developer

October 2018 - Present

- Overhauled the application architecture, from monolithic to modular. On the front-end, split pages into their micro front end services to make them separately deployable and speed up development. Separated pages would be hosted on their subdomains and share data through cookies. On the backend, enhanced and built scalable microservices (.Net core 2.2) that communicate through messages via Azure service bus. Depending on the application needs set up SQL and CosmosDb databases.
- Created a common library to share reusable components between other libraries and projects. Shared stylesheets between these libraries and the applications using git submodules to keep the theming and typography consistent. Additionally, I added unit-tests to cover the business logic inside the components.
- Created an impression detection library to more accurately identify when a user sees individual components. The data collected was used to improve the sequencing of the products shown and to increase the overall conversion rate. I optimized the code to be able to detect 100+ impressions on a page without any performance side effects.
- Automated builds and releases using VSTS and monitored environments through Application Insights. Worked with docker containers to speed up development.
- Conducted interviews, evaluated candidates on their technical and algorithmic abilities.
- Presented talks on various topics such as micro front end structures, and framework-agnostic components. Additionally, I presented engineering initiatives and progresses on projects in company town hall meetings.

RBC Capital Market – Developer

May 2018 – October 2018

- Developed and maintained research platforms used by thousands of analysts to gather and record research data as well as publish new ones. Managed and cleaned up large SQL databases to improve the quality of the data as well as used it in our applications.
- Automated the deployment processes using Jenkins/Nexus. Successfully converted a waterfall project into agile with this automation as well as helping BAs teach the business about the agile methodologies. Set up business meetings to write down clear and concrete acceptance criteria to help speed up the development.

Royal Bank of Canada – Technical System Analyst

May 2016 – August 2017

Worked in multiple highly visible agile projects such as:

- Maintaining the legacy applications (Control Room Employee Monitoring) to increase the efficiency of the product and serve more detailed trade reports to the consumers. The main challenge was to keep the legacy code working while replacing/fixing its components.
- Developing new web applications that provide tools for creating and keeping track of potential insider trading and other illegal practices and create reports about those alerts. Worked with latest technologies (Angular 4 with Java Spring backend) to keep the code up to date and application best looking. Worked on Continuous deployment and wrote unit and integration tests to guarantee applications' correctness.
- Joined business meetings to guarantee customer satisfaction. Presented the application demo to key business members such as the RBC CCO.

Signum TTE – Volunteer Web Designer

May 2015 – October 2015

- Designed and developed a website for internal use, that would provide employees a platform to provide reviews and updates about their work environment.
- Worked closely with other developers to design and build both the backend and the frontend using jQuery and PHP.

Education

University of Toronto
B.S. in Computer Science

September 2013 – June 2018

Projects

Scheduler (WIP)

February 2019

A platform that's designed for people who travel and can't plan anything. It suggests a schedule - with museums and landmarks you can visit - that you can follow given your options of transportation, time of departure and desired arrival.

The Beat-Map

June 2018

Created a platform where users can visualize the genres and musicians that are listened to by other people on a geographic map. Developed the front end using React while backend was written in Node.JS and MongoDB.

Krew Finder

April 2018

Developed a web application that aims to help students find group members that have similar interests in programming languages and topics to improve the group efficiency. Used recent technologies such as React and .NET Core.

ABATA lyrics extractor

April 2018

A YouTube comments extractor written in Python that uses deterministic algorithms to find possible lyrics for a given music video. Interviewed potential future customers and constantly were in touch with them to get feedback on our product. In addition to developing this application, we came up with a business model and financial projections that we will use to sell this product.