

# Marko Mijovic

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## Education

- University of Calgary

M.Eng. Software Engineering (GPA: 4.00/4.00)

B.S. Mechanical Engineering (Minor in Mechatronics) (GPA: 3.87/4.00)

Calgary, AB

May 2021 – December 2022

September 2016 – May 2021

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## Experience

### Amazon

Software Development Intern

Vancouver, BC

May 2022 – August 2022

- Designed, built, and documented a full-stack static website application written in TypeScript, React, and Java used by accounting staff worldwide which resulted in its inclusion to product deliverable for Q4 2022.
- Utilized CI/CD pipelines and AWS service such as S3, Lambda, API Gateway, CloudFront, and DynamoDB to develop a cost-effective deployment solution which safely deploys the product to customers in real-time.
- Managed and provisioned all the needed AWS resources using AWS CDK with infrastructure as code on AWS CloudFormation. This reduced the risk of error in manual deployment and thus increased application reliability and safety as well as saved development time that was instead spent of solving customer problems.
- Modeled new RESTful APIs with the API first design approach using an interface definition language (Smithy) and implemented the back-end business logic in Java based on the API models. This allowed quick implementation and testing of any changes to the API or business logic in order to satisfy new customer demands.
- Developed the application's front-end in Typescript and React and used React Router to asynchronously handle client-side routing of API requests through AWS API Gateway to an AWS Lambda.
- Thoroughly documented the design and implementation of the application and added unit test coverage for both the front-end and back-end solutions with Jest and Mockito respectively.
- Worked in an agile environment and planned Sprints to deliver software that was well tested, maintainable, and met all rigours SLA goals that Amazon has for its customer facing applications.
- Successfully handled large amounts of product ambiguity and exceeded project expectations in the given time-frame while on-boarding and learning new internal development tools at Amazon.

### Vidyard

Software Development Intern

Kitchener, ON

January 2022 – April 2022

- Worked on core front-end and back-end features with JavaScript, Vue.js and Ruby following the MVC design pattern which helped the team deliver on the promised timeline of a new YouTube integration functionality.
- Refactored the front-end implementation of a video captions core business feature used 300 times per week and analyzed customer feedback to further improve the feature which increased the customer satisfaction.
- Self-initiated bug fixes which improved the SLI of a third party service integration from 98.2% to 99.5%.

### AltaML

Machine Learning Developer Intern

Calgary, AB

June 2021 – September 2021

- Delivered a machine learning minimum viable product with a theoretical ROI of \$20M/yr based on the client's conceptual idea and business needs using Azure ML studio, Python, and scikit-learn.
- Coordinated with Client on the technical aspects of the project and set measures of success used in defining key project goals which established mutual business expectations and helped estimate the project impact.

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## Skills

**Languages:** Java, JavaScript, TypeScript, Node.js, Python, HTML, CSS, C++, SQL

**Libraries and Tools:** React, Redux, Vue, Vuex, Express.js, Jest, Mockito, Git, Spark

**Cloud:** AWS (DynamoDB, EC2, Lambda, API Gateway, S3, CloudFront, CloudFormation, Cognito), AWS SDK, AWS CDK