Matthew Goodman
Software Engineer

McGill Computer Science new-grad and technology enthusiast looking for a full-time
Software Engineering, Full Stack Engineering, or Frontend Engineering position. En/Fr.

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SKILLS

Languages: JavaScript, Go, Python, Java, C, C++, Bash

Software Tools: Kubernetes, Git, GitHub

Frontend: JavaScript, TypeScript, ReactJS, Redux, Bootstrap, SemanticUI, Ionic Framework, HTML, CSS, SCSS, LessCSS, Pug

Backend: NodeJS, ExpressJS, MongoDB, SQL, MariaDB, AWS DynamoDB, AWS Serverless Lambda

Cloud & Hosting: AWS, DigitalOcean, GCP & Firebase

Data Science: Python, Pandas, Jupyter, Bokeh, BeautifulSoup

WORK EXPERIENCE

Amazon Canada // Software Development Engineer Intern II   Jun 2022 – Aug 2022
AWS Cloud Map · Vancouver, Canada

- **Enabled same-service service discovery in Kubernetes clusters** allowing customers to create resilient and redundant services that communicate across multiple clusters - **GitHub · AWS Cloud Map MCS Controller for K8s Project ↗**
- **Contributed to the Kubernetes open-source multicluster community** to help break the hard-boundary of communication between Kubernetes clusters through implementation of the AWS MCS Controller
- **Closed major GitHub Issue ↗** to advance project towards a beta version compliant with Kubernetes SIG-Multicluster specs
- Keywords, Tools, Technologies: **AWS · GO · KUBERNETES · OPERATORSDK · NETWORKING & DNS · OPEN-SOURCE**

Amazon Canada // Software Development Engineer Intern I   Jun 2021 – Aug 2021
AWS Cloud Map · Vancouver, Canada

- **Optimized and reduced AWS Cloud Map API traffic** though implementation of event-driven architecture for status updates, eliminating need for manual polling
- Onboarded AWS Cloud Map onto AWS EventBridge for event management for health checks and status updates
- Keywords, Tools, Technologies: **AWS · DYNAMODB · JAVA · MOCKITO · JUNIT · DEVELOPMENT CYCLE**

KargoROO Inc // Software Developer & Technical Lead   Sep – Jun 2021, May – Sep 2020
Montreal, Canada

- **Built from scratch, deployed, and maintained** iOS/Android mobile app delivery platform & **designed kargoroo.ca ↗**
- Integrated Stripe payment handling, Google Maps APIs for delivery tracking
- **Managed & organized** team's engineering effort including Upwork teams and intern
- Keywords, Tools, Technologies: **IONIC FRAMEWORK · REACTJS · REDUX · NODEJS · MONGODB · DIGITALOCEAN**

EDUCATION

McGill University // Bachelor of Science   Sep 2019 – Dec 2022
Major Computer Science · Minor Entrepreneurship · GPA 3.6/4.0 · Montreal, Canada

Online Certificates & Courses // Udemy, edX, Coursera, FreeCodeCamp (250+ hrs)   Jan 2019 - Ongoing
MERN Stack Front to Back · Go Web Apps & Microservices · ReactJS · Harvard CS50x + 4 more

PROJECTS

SmartTeams // Personal Project   Sep 2022
Built and launched software engineering tool for software managers to help reduce turnover rates and increase employee satisfaction among engineering teams and onboarded two teams within first week of launching MVP

McGill Dates // Personal Project   Feb 2022
Built, marketed, and launched Valentine's Day dating app platform for McGill students and acquired **500+ users**

ReviewBoard // CANOSP Open-Source Project · Nominated for Cohort · McGill University   Dec 2021
Improved UX by creating Emoji Picker System for ReviewBoard platform eliminating need to type emoji short codes

KeepUp // Winning Hackathon Project · YHack '19 · Yale University   Oct 2019
Built web-app to allow better real-time communication between students and professors during live lectures