

Yassine Boutahar

🌐 <https://boutahar.dev>

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👤 YassineBoutahar

EXPERIENCE

Amazon Inc.

Software Development Engineer Intern - Alexa Communications

Toronto, ON

May 2021 - Present

- Accepted an offer of employment for Summer 2021 from Amazon as an SDE intern

Department of National Defence

Full Stack Developer Intern

Remote - Ottawa, ON

Jan 2021 - Apr 2021

- Worked on a suite of internal projects backed by Java, Spring Boot, Typescript and React among others

Signiant Inc.

Full Stack Developer Intern

Remote - Ottawa, ON

Sep 2020 - Dec 2020

- Implemented various frontend dashboard tools in **React** used across multiple client-facing products
- Created an **AWS lambda** to process user status events and relay relevant information to a billing service
- Integrated cloud-based **Elasticsearch** for active and historical user data
- Implemented a **backend API** to pipe a CSV string of user activity history to product's frontend
- Updated and maintained unit, component and automation testing using **Jest** and **TestCafe**

Apption Corporation

Full Stack Developer Intern

Remote - Ottawa, ON

May 2020 - Aug 2020

- Created **Node.js** based end-to-end testing suite using TestCafe to robustly verify rendered DOM integrity
- Designed and implemented **SQL** backed survey using Blazor with validation and confirmation screens
- Built a file upload service in **.NET Core C#** with Blazor frontend to manage user documents
- Created an internal license generator **C#** tool with dynamic **Blazor** frontend for variable client permissions
- Added a careers section and redesigned page footer for company's **React** site

BD2I Inc.

Software Developer Intern

Toronto, ON

May 2019 - Dec 2019

- Developed a multi-panel dynamic mobile application using **Swift 4** and **Java**
- Created and managed a mobile login/sign-up system with dynamic text entry using **Firebase**
- Implemented native media players into app to stream content from URLs and local files
- Built a **face detection** sequence in Swift to perform action upon user introduction

EDUCATION

Carleton University

BCS (Honours) Computer Science / GPA: 11.46/12

Ottawa, ON

Sep 2018 - Dec 2022 (Expected)

SKILLS

- Programming languages: Java, Python, Javascript, C, C++, C#, Blazor, React, React Native, Swift, Typescript
- Tools and technologies: MongoDB, PostgreSQL, Node.js, Firebase, NET Core, PyTorch, TestCafe, Jest, Google Cloud Platform, Amazon Web Services, Spring Boot

PROJECTS

WebLine *WebRTC, Typescript, React, Node.js, AWS WebSocket, DynamoDB*

More at www.boutahar.dev

A decentralized peer-to-peer video calling platform built on pure WebRTC and React

- Implements the standard WebRTC signalling process between peers through an AWS WebSocket API Gateway
- WebRTC with STUN and TURN servers leveraged to allow for direct and decentralized video communication
- A WebRTC data channel is created to enable text chat within a side drawer
- Randomly generated usernames stored in DynamoDB to link users to WebSocket connection IDs
- Dynamic interface with draggable and resizable local camera view

Portfolio Builder *Typescript, React, Node.js, DynamoDB, Elastic Beanstalk*

A web app to facilitate the building, sharing and analysis of a personal financial portfolio

- Proxies financial data from Yahoo Finance API through an AWS hosted Node.js server
- Allows users to add stocks, assign them portfolio percentages, and calculate number of shares to buy
- Conveniently plots historical portfolio data and breakdowns using Chart.js
- Search bar supports ticker autocomplete and trending/recommended stocks
- Lets users share their portfolio with a copiable share link