Yassine Boutahar

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EXPERIENCE

Shopify   **Toronto, ON**
Backend Developer Intern - Core Product   *Sep 2021 - Present*
- Incoming backend developer intern on the Product Discovery team working with Ruby on Rails and Elasticsearch

Amazon   **Toronto, ON**
Software Development Engineer Intern - Alexa Communications   *May 2021 - Aug 2021*
- Designed and documented comprehensive system architecture for serverless automated billing system
- Defined infrastructure as code (CDK) and continuous deployment pipeline for system and native AWS resources
- Modified production media processing logic to continuously and accurately track EC2 usage of internal teams
- Implemented serverless Lambda-based backend to intermittently query Cloudwatch and write to Timestream DBs
- Designed and implemented a React console for teams to explore breakdowns of their monthly bill and metrics

Department of National Defence   **Remote - Ottawa, ON**
Full Stack Developer Intern   *Jan 2021 – Apr 2021*
- Worked on a suite of internal projects backed by Java, Spring Boot, Typescript and React among others

Signiant Inc.   **Remote - Ottawa, ON**
Full Stack Developer Intern   *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-basedElasticsearch 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   **Remote - Ottawa, ON**
Full Stack Developer Intern   *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

EDUCATION

Carleton University   **Ottawa, ON**
BCS (Honours) Computer Science | GPA: 11.46/12   *Sep 2018 - Apr 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