

# Ayo J. Awoyelu

UWATERLOO COMPUTER ENGINEER

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## Skills

### Languages

JavaScript, TypeScript, Java, SQL/PSQL, Scala, HTML5, CSS/SCSS

### Frameworks/Platforms

Node.js, Redis, Apache Spark, Hadoop, Apache Thrift, Ruby on Rails, RSpec, Mocha, Chai

### Development Tools/IDEs

Git, Jenkins, NPM, JIRA, Docker, IntelliJ, AWS EC2, AWS Elasticsearch (Kibana)

## Experience

### Twine

San Francisco, California

BACKEND ENGINEERING INTERN

Sep 2019 - Present

- Developed features of the core Twine product with **Ruby on Rails** and improved test coverage with **RSpec**
- Automated ETL pipelines with **Ruby, Redis** and **PostgreSQL** for periodic data analysis
- Created web components for the User Experience Support portal to display and query account records

### Lifion, By ADP

New York, New York

PLATFORM ENGINEERING INTERN

Jan 2019 - Apr 2019

- Designed parts of an authorization system with **Node.js, Redis** and **MySQL** to enforce data-scoping rules and assign security groups
- Developed a data access layer with **Node.js** and **IORedis** to perform CRUD operations on **Redis** to handle security records
- Built out integration and unit tests for an application within the Lifion Platform using **Chai.js** and **Mocha**
- Integrated **DataDog** metrics to display various API endpoint statistics on different development environments
- Updated **Jenkins** continuous integration and build pipelines to display **JUnit** test results as a success graph and XML file

### Condos.ca

Toronto, Ontario

FULL STACK DEVELOPER

May 2018 - Aug 2018

- Developed recommendation engine to populate listing data based on **500,000+** historical records
- Built infrastructure to filter **30,000+** condo listings by proximity to a major intersection with **MySQL** and **Laravel**
- Wrote RESTful API endpoints with **Lumen** to securely provide resources to the client application
- Designed multiple CMS components for managing sensitive employee records with **AWS S3, Lumen** and **Docker**
- Integrated multiple third-party API services including **Yelp** and **Google Places** APIs to automatically create descriptions for listings

### SkyWatch Space Applications Inc.

Waterloo, Ontario

FRONT END ENGINEERING INTERN

Sep 2017 - Dec 2017

- Built responsive login and signup forms with **HTML5, CSS3**, and **JavaScript** by customizing **Auth0.js** hosted pages
- Utilized **NgRx store** to reduce request overhead for image output format selection, restricting requests to **1 per page load**
- Developed the end-to-end tests for SkyWatch's **EarthCache™** software with **Protractor** to automate and significantly reduce test time
- Designed re-usable dashboard components to visualize pipeline data with **Angular 4, Typescript** and **NgRx**
- Implemented **Angular** optimization techniques like **Lazy loading** and **Ahead of Time** compilation significantly reducing build time

### Hatch Ltd

Oakville, Ontario

JUNIOR SOFTWARE DEVELOPER - SYSTEMS DEVELOPMENT UNIT

Jan 2017 - Apr 2017

- Developed **C#** scripts to handle cross-platform RDBMS **ETL** operations from **Oracle** to **MS SQL Server**
- Worked in an international **Agile** development team to upgrade multiple UI components with **DevExpress, HTML** and **ASP.NET Razor**
- Created multiple **RESTful** API endpoints with **.NET Entity Framework** to retrieve data from various **MS SQL Server** databases
- Built an app for engineers to retrieve **2000+** equipment records in **CSV** and **OMI** formats with **Angular 2, C#** and **.NET Framework**
- Integrated **OpenXML** with **C#** to export engineering equipment data to an Excel spreadsheet

## Projects

### Cockroach Nest

Waterloo, Ontario

HACK THE NORTH

Sep 2017

- CockroachNest helps you monitor your **CockroachDB** cluster by organizing your nodes graphically on a map.
- The app leverages the **PagerDuty API** for SMS Notification to alert a database administrator know when a node in the cluster goes down

## Education

### University of Waterloo

Waterloo, Ontario

CANDIDATE FOR BACHELOR OF APPLIED SCIENCE IN COMPUTER ENGINEERING

Sep 2015 - Apr 2020

Algorithms and Data Structures, Software Design and Architectures, Distributed Computing, Database Systems, Compilers, Networks