Sokhountea Sy

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WORK EXPERIENCE

BOMBARDIER   *Jan 2021 - Dec 2021*

Software Developer Intern Website

Keywords: *Full-Stack, React.js, Redux, Bootstrap and SCSS, Node.js, PostgreSQL, Cypress, AWS, K6, BackstopJS, Agile, Git*

- Applied problem solving and fast learning skills to develop and maintain features to enhance **full stack user experience** on Bombardier's Online Parts Ordering 2.0 website which generates over $2,000,000 in revenue per week
- Increased **coverage** and **reliability** for end-to-end tests implemented with **Cypress** and **K6,** speeding up UAT Testing Period by 12%
- Throughly tested with excellent attention to detail pull requests on **Git** before merging to main branch
- Researched and implemented new technologies and softwares to enhance existing projects such as **visual regression testing** with **BackstopJS**
- Utilized serverless architectures built on top of **AWS** like Lambda, DynamoDB, RDS, ECR, etc.
- Accomplished tasks in a fast-paced scrum **agile** team environment with bi-weekly sprints

PERSONAL PROJECTS

Productivity Application Live Code   *Mar 2022*

- Developed a responsive application using **React.js**, **Bootstrap, MUI** and **SCSS**, that includes Reminders and Notes
- Keeps track of all newly added, edited, deleted tasks, lists and notes using local storage
- Designs inspired by Apple's applications to showcase the ability to implement and follow a prototype

Photography Portfolio Template Live Code   *Jan 2021*

- Designed and developed a responsive photography portfolio website using **React.js**, **Styled Components** and **SCSS**
- Backend that allows sending emails through a form with **Node.js**
- Aesthetic and user-friendly front end

Portfolio Web Application Live Code   *Dec 2020*

- Single page application that is responsive and interactive using **React.js** and **SCSS**

ACADEMIC PROJECTS

COVID-19 Vaccination Database   *Jan 2021 - Mar 2021*

- Designed and implemented a database with concept of priority to manage the distribution of COVID vaccination in Quebec
- Designed a schema with semantic data model (**Entity Relationship**), created a database using **DB2** and populated it with mock data
- User-friendly interface with **Java** that allows querying and updating the data

McGill's SOCS Web Application   *Nov 2020*

- Designed and implemented a new responsive and interactive look for McGill's current School of Computer Science website using **React.js** and **Styled Components**
- Backend that allows users to dynamically modify the content of the Events web page by making a new listing, using **MySQL**, **Node.js** and **Rest API**

EDUCATION

McGill University

Graduated: Dec 2021

B.A. Major in Computer Science, minors in Mathematics and Economics

Relevant Courses:

Algorithms and Data Structures | Programming Languages and Paradigms | Software Design | Operating Systems | Fundamentals of Computer Graphics | Principles of Web Development |

SKILLS

Programming/Scripting Languages:

Java | C | HTML & (S)CSS | JavaScript | Python | SQL

Framework/Tools:

Git | VSCode | Adobe Photoshop CS | jQuery | React.js | Styled Components | Node.js | REST API | PostgreSQL | Cypress | Jira | AWS Tools

Languages:

English (Fluent), French (Fluent)