

# Cesar Guerrero

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- Professional software developer offering a strong foundation in application development and programming principles across multiple platforms with a focus on frontend.
- Experienced in object-oriented programming, test-driven development, debugging, interface design.
- A lifelong learner who is quick to understand and master new technologies. History of working successfully in both team and self-directed settings.
- Ability to quickly grasp complex systems while identifying opportunities for improvements and resolution of critical issues.

## Technology Summary

- Backend development using **Node.js, Python, C#, MySQL, MongoDB**
- Web development using various front-end frameworks including **React, Angular, Vue**
- **Git** version control

## Experience

### **Senior Front-end Developer – Cantactix**

Oct 2022 – Present

- Led the re-design of our front-end built with React, resulting in a 40% reduction of our codebase.
- Implemented and led the development of a component library using **React, Typescript, Rollup and styled-components** securing design consistency across multiple products.
- Took a leading role in the development of code standards for our code base with a focus on modularity, reducing repetition in the code.
- Conducted code reviews, ensuring adherence to best practices and coding standards, which reduced production bugs by 40%.
- Mentored junior engineers and conducted technical training sessions, fostering a culture of continuous learning and improvement.
- Implemented robust automated testing frameworks, increasing test coverage by 70% and ensuring high code quality.
- Suggested and made various improvements to our UX and accessibility scores based on WCAG standards.

### **Senior Software Developer – Shoebox.md**

Nov 2020 – Oct 2022

- Collaborate with internal business units to understand business goals & objectives.
- Planning and documenting technical specifications for features or system design.
- Lead by example, developing efficient, high-performance software, implementing frontend using **React, Typescript** and backend using **NodeJS and styled-jsx**.
- Conducted code reviews, ensuring only high-quality code makes it to production.
- Worked with the software development team and architects to break down complex requirements into smaller tasks and coach team members to deliver these features.
- Monitored progress, identifying potential impediments and bottlenecks; steering the course so commitments are held, and projects remain on track. Contributes to QA efforts where needed.
- Estimate and calculate time allocation for each story in the sprint to coordinate development efforts and ensure planning is accurate.

## **Software Applications Developer - Mitel**

Nov 2017 – Nov 2020

- Participated in the full software development lifecycle – requirements gathering, scoping, design, implementation, documentation, testing, and maintenance, as my team's scrum master and individual contributor.
- Write code across the full stack – UI, back-end services, and data storage using Node.js & React
- Collaborate with peers when designing and building new features.
- Provide code reviews for fellow team members, promoting high-quality work, sound software methodologies and attention to detail.
- Worked closely with the product owner to ensure development aligns with product specification and the company's long-term product strategy and roadmap.
- Evaluating, prototyping, and rolling out new tools and technologies to improve the way we build products and help projects deliver to our customers.
- Integrating tools and automating their provisioning, configuration, and management.
- Consumption of various cloud services on AWS.
- Developing automated tests for the new and updated functionality.

## Achievements & Awards

### **Placed 3rd at Mitel's internal R&D competition**

My team and I placed 3<sup>rd</sup> from over 150 projects at the company's internal R&D competition where we developed a whiteboarding feature that allowed users to collaborate in real time. The feature was meant as an addition to our existing video collaboration product.

### **2<sup>nd</sup> Place at RE/action day showcase at Algonquin college.**

My team and I received an award of excellence for placing second out of over 130 projects at RE/ACTION day showcase spring 2017.

## Milestone projects

### **React Native App for CBSA**

Advanced Conveyance Examination (ACE) App for Canadian Border Services Agency (CBSA).

The ACE app was developed as an MVP by myself and a team of 4. It is designed to assist border officers at international ports of entry find illegal goods hidden inside vehicles.

My role within the team was as development lead. I took an active role in developing the back-end API for the app with NodeJs, Express and MongoDB. Also, contributed largely on the front-end, as well as integration of the front and back end.

#### **Features:**

- Searching vehicles by Make/Model/Year.
- Finding hiding spots within that vehicle.
- Seeing details about a hiding spot.
- Adding hiding spots/vehicles.
- Notifying border officers about new hiding spots added.

### **React JS Web App for CHEO**

Juvenile Idiopathic Arthritis (JIA) OptionMap web app for Children's Hospital of Eastern Ontario (CHEO).

Developed the JIA OptionMap as part of my work at the social innovation lab. The app is designed to help youth with idiopathic arthritis find alternative treatments to manage their pain.

As the sole developer, I designed the algorithm that allows the app to show treatments based on the user's answers. I also followed the design provided by the client and created the interactive illustrations on the app with Adobe Illustrator.

#### Features

- Interactive illustration of pain points.
- Identifying key answers to show only related treatments.
- Conditional rendering based on URL path.
- Saving data in local storage.

#### Education

***Mobile Application Design & Development Diploma Algonquin College of Applied Arts and Technology***

- GPA: 3.9/4