

# Jolson Eric Cruz

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Montreal, QC | Trilingual (English, French, Filipino) | Open to Relocate

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GitHub: [github.com/jolsoncruz](https://github.com/jolsoncruz)

## TECHNICAL SKILLS

- **Proficient in:** React, TypeScript, JavaScript, HTML, CSS, Tailwind CSS, Bootstrap CSS, Node.js, Git, Object-oriented programming (OOP), State management, React Hooks, Efficient API integration
- **Experienced with:** Java, Python, C, Express, Spring Boot, PostgreSQL, MySQL, MongoDB, Linux
- **Exposure on:** Amazon Web Services (AWS), Microsoft Azure, C#, C++, GoLang, .NET, Android Studio

## PROJECTS

### DIRO's World - AI-Powered RPG | [code](#) | [demo](#)

- Collaborated with a team of three developers to create a personalized, never-ending fantasy RPG using React, TypeScript, Express, Tailwind CSS, and LLaMA, winning the **HackDIRO hackathon hosted by UdM**.
- Competed against six teams to develop innovative LLaMa-powered games, overcoming challenges in AI integration, data cleansing, and real-time responsiveness.
- Engineered core mechanics in under 48 hours, including user interactions, quest exploration, and AI challenges.

### HeyU - University Social Media Platform | [code](#) | [demo](#)

- Conceptualized and built a university social platform in under one month to explore frontend development and social media architecture using React, TypeScript, Tailwind CSS, and Appwrite.
- Developed four core features including profiles, posting, feed, and search to simulate a social media experience.
- Gained experience in user interface design, state management, and API integration through this project.

### Mobility Invoicing Application | [code](#) | [demo](#)

- Teamed up with three developers to develop a comprehensive mobility billing and invoicing solution using React, .NET Core, MySQL, and Microsoft Azure.
- Built three core functionalities for invoice management, enabling users to create, download, and email invoices.
- Architected & optimized backend systems and RESTful APIs, resulting in seamless integration with the frontend.

### DLSU Community Forum | [code](#) | [demo](#)

- Developed a community forum for 18,000+ De La Salle University students using Node.js, Express, Handlebars, and MongoDB, demonstrating proficiency in full-stack development and database management.
- Implemented authentication for two user roles with authorization & role-based access control to enhance security.
- Gained experience in server-side rendering, database, and session management through this project.

## WORK EXPERIENCE

### Systems Operations Manager, Vic Studios

June 2023 – Present

- Led cross-functional teams to implement process improvements, resulting in a 40% increase in operational efficiency and a 50% reduction in staff idle time.
- Overhauled and streamlined digital workflows and systems, resulting in a 50% increase in productivity for reception staff and a 60% reduction in operational costs.
- Drive early adoption of industry-specific innovations by actively participating in four to six tech vendor events annually, resulting in a competitive advantage over competitors.

### Software Development Tutor and Mentor, Vanier College / Cégep Vanier

October 2022 – January 2023

- Created personalized learning plans for 30 students and conducted over five weekly Java, JavaScript, and object-oriented programming sessions, leading to a 20% increase in average course grades.
- Examined 20+ project requirements, algorithms, and course concepts to help tutees develop efficient solutions.

## EDUCATION

### ACS in Software Development, Vanier College / Cégep Vanier

June 2024

- Computer Science Tutor and International Student Peer Mentor

### BS in Computer Science with Specialization in Network Engineering, De La Salle University Manila

July 2022

- Five-time First Honors Dean's Lister & elected University Student Government Vice President for Internal Affairs.