Jolson Eric Cruz

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jolsoncruz · jolsoncruz · portfolio

About Me

Front-end software developer experienced in leadership, project management, and insightful analysis. Specializes in React.js, TypeScript, and Node.

Skills & Proficiencies

Over 3 years of experience
- React, TypeScript, JavaScript
- Java, Python, C
- Tailwind CSS, Bootstrap CSS
- Node.js, Express, Spring Boot
- PostgreSQL, MySQL, MongoDB, Appwrite
- State Management, Code splitting, React hooks, API Integration
- Object-oriented programming (OOP), design patterns, algorithms
- Git, Linux, Cron Jobs

Other experience
- Amazon Web Services (AWS)
- C#, C++, GoLang
- .NET Framework

Soft Skills
- Precise: Maintains accuracy and consistency in all tasks
- Analytical: Conducts thorough research and makes informed decisions
- Leader and team player: Guides teams effectively to achieve common goals
- Effective communicator: Interacts clearly and adaptively with diverse stakeholders
- Adaptable: Adjusts quickly to project changes

Spoken Languages
- English (Native)
- French (Intermediate)
- Filipino (Native)

Work Experience

System Operations Manager
Vic Studios (Westmount, Canada)
June 2023 – present
- Optimizes operations through project management. Streamlines processes, initiatives, and enhances CX
- Boosts operational efficiency by digitizing tasks, upgrading systems, and implementing automation
- Attends quarterly tech vendor events to connect and stay updated on product development
- Collaborates with vendors to improve existing features and promptly report security and performance issues

Computer Science Tutor and Mentor
Vanier College (Montreal, Canada)
October 2022 – January 2023
- Organized 20+ weekly sessions on Java, JavaScript, and Object-Oriented Programming
- Enhanced students' analytical skills by examining various project requirements, algorithms, and concepts
- Created personalized learning plans for 30 students for a precise and adaptable approach
- Demonstrated effective communication by simplifying complex programming concepts

Technical Solutions Engineer
Hostinger (Remote, Lithuania)
May 2020 – August 2020
- Solved over 1,300 complex web hosting issues, cutting customer loss by 3% and reducing backlogs by 10%
- Managed website migration using SFTP and MySQL, reducing downtime and ensuring seamless data transfer
- Added security and deployment features like SSH keys, SSL certificates, Git Version Control, and Cron Jobs
- Coordinated debug initiatives with tech groups in different regions (LT, BR, ID) for effective alignment
- Provided debug recommendations to align with client needs, helping the team achieve OKR and KPI goals

Selected Projects

DIRO's World (React, TypeScript, Express, Tailwind, LLaMA)
Github·Live Demo·Article
Winner of HackDIRO Université de Montreal. A never-ending fantasy world role-playing game (RPG) that is personalized to you and your interests. Powered by Artificial Intelligence.
- Developed dashboard and quest components using React.js and TypeScript
- Utilized the LLaMA model for AI logic, Redux for state management, and Tailwind CSS for styling
- Implemented data sanitation and prompt preparation functions to adhere to LLM limitations

HeyU (React, TypeScript, Tailwind, Appwrite)
Github·Live Demo
A university-exclusive social media platform, inspired by Instagram, promoting a fun and inclusive environment for students to connect, network, and engage in relatable conversations.
- Developed dashboard, search, create, and view post components using React.js and TypeScript
- Employed Appwrite for auth, database, and storage management, and Tailwind CSS for styling
- Utilized React hooks for API integration, data validation, and synchronization

Mobility Invoicing (React, Microsoft Azure, .NET, MySQL, SSMS)
Github·Live Demo
Billing and invoicing app created for companies like Bell and Rogers to manage customer plans and payments
- Implemented the front-end for invoice management, allowing users to create, download, and email invoices
- Helped develop the back-end and Rest API using .NET Core and MySQL
- Hosted on a Microsoft Azure virtual machine with Swagger documentation

DLSU Community Forum (Node.js, Express, Handlebars, MongoDB)
Github
Engaging community forum designed for De La Salle University (DLSU) students to gain insights about professors before enrolling in their classes.
- Built an MVC express server using HBS templating engine for views
- Ensured secure login and registration with bcrypt encryption and express-session cookies
- Created role-specific views (user, admin, moderator) to manage diverse access permissions.

Education

Software Development: Secure Desktop, Mobile and Web Applications
Vanier College Continuing Education (August 2024)
- Computer Science Tutor
- International Student Peer Mentor

Bachelor of Science in Computer Science with Specialization in Network Engineering
De La Salle University (July 2022)
- Dean's Lister (5x First Honors)
- University Student Government - Vice President for Internal Affairs (2019 - 2021)
- University Student Government - Chairperson for Corporate Relations (2018 - 2019)
- University Student Government - Batch Executive Treasurer (2018 - 2019)

Certifications

- cPanel & WHM Administrator Certification (cPanel, 2022)
- cPanel Professional Certification (cPanel, 2022)

Research & Publications

Implementation and modification of a lightweight authentication and key management scheme for wireless sensor networks (AKMS 2.0)
Co-Author, De La Salle University
Animo Repository