

Profile Summary

Motivated and detail-oriented Full Stack Developer with 3 years of experience implementing user engaging, secure and optimized software solutions. Proficient in the programming and design of web and mobile apps, use of RDBMS on cloud servers following the six phases of the SDLC. Eager to apply my technical and creative skills in a collaborative and supporting environment to grow within the web development field.

Education

Cybersecurity and Threat Management 05/2025 - Present
Seneca Polytechnic - Toronto, ON.

Database Application Developer 09/2024 - 04/2025
Seneca Polytechnic - Toronto, ON.

- Proficient in analyzing system requirements and designing and developing databases solutions. Skilled in web technologies, Big Data, and data warehousing, with hands-on experience in administration tasks like backup and recovery.

Bachelor of Computer Science 09/2018 - 10/2023
Escuela Superior Politécnica del Litoral - Ecuador.

- Developed a strong foundation in development lifecycle, machine learning, analysis of algorithmic, and research techniques, gaining expertise in problem-solving, data-driven decision-making, and optimizing computational processes.

Relevant Skills

- **Programming Languages:** JavaScript, PHP, Python, Java.
- **RDBMS:** MySQL, PostgreSQL, Oracle SQL.
- **Web Technologies:** HTML5, CSS3, AJAX, NodeJS, Express.
- **Soft Skills:** Problem Solving, Attention to Details, Creativity, Teamwork, Time Management.

Work Experience

System Technician Programmer | COBOL, Java, Oracle SQL 09/2023 - 02/2024
CREDIMATIC SA – Ecuador.

- Led the migration of the company's financial databases and software functionalities to a new company infrastructure, ensuring security, data integrity, and seamless integration with existing systems.
- Created and updated comprehensive software manuals, ensuring clear communication of technical processes for daily operations, and enhancing user understanding of system functionalities.
- Designed complex pipelines using Linux bash script commands to make the compilation and build process faster, optimizing the integration of new software to the system.

Android Application Developer | Java, Ruby on Rails, Flutter, MySQL 02/2023 - 07/2023
SCHLUMBERGER – Ecuador.

- Implemented school webapp for over 504 Ecuadorian schools, focusing on responsive design, user-friendly navigation, and enhancing overall user experience for students, parents, and staff.
- Front-end and mobile development using web technologies to facilitate posting and managing of homework and online-classes, prioritizing network traffic and minimizing delays.
- Used Canva LMS REST API with AJAX to create single page Dashboards for students and professors without reloading the pages, ensuring a fast update and smother experience.

Fullstack Developer | React Native, Ionic, Bootstrap, PostgreSQL 02/2021 - 04/2022
HANGAROA SA – Ecuador.

- Content creation to provide digital marketing services and manage social media content for Ecuadorian companies, optimizing user experience and increasing online visibility for 19 local brands.
- Development and maintenance of an end-to-end Website and Android application, utilizing both front-end and back-end technologies, ensuring a seamless user experience and robust functionality.
- Used Paymentez API for online payments, stablishing a secure connection and giving feedback of each stage of the payment until the transaction was completed.

Volunteer and Competitions

Hi, Tech! volunteer

10/2024 to Present

March of Dimes Canada – Calgary, Alberta.

- Remote assistance to stroke survivors and people with disabilities helping them to understand, access and use tech at a basic level through dynamic classes and fun exercises.

Hackathon Food Sustainability 2025

03/2025

Seneca Polytechnic – Toronto, ON.

- Finalist of hackathon 2025, developed a mobile app enhancing user experience through rewards to track healthy meals, analysis nutritional facts using Google Cloud Vision API and give nutritional feedback.

Achievements

Research Assistant | FADCOM

12/2024

- Facial expression analysis in children with autism spectrum disorder using a refined Human-Robot-Game platform for active learning.
- Determined new metrics through an experimental methodology using OpenFace 2.0, STATA and R improving the facial, emotion and attention recognition.
- Authored and documented research following the *Taylor & Francis* manuscript format, contributing to a Q1-ranked publication in the Information and Communication Technologies category.

Research Assistant | CIDIS

10/2024

- Early detection of Papaya ringspot virus (PRSV) in papaya (*Carica papaya*) crops using multispectral images and deep learning related to molecular techniques.
- Developed a labeled dataset of papaya leaves using a drone with a multispectral camera and YOLOv8 for segmentation, achieving 91.3% accuracy.
- Identified infected plants through RT-PCR laboratory tests and a Compact Convolutional Transformer model, attaining an 85.92% recognition rate.

Research Assistant | FADCOM

10/2024

- Advanced Metrics to Evaluate Autistic Children's Attention and Emotions from Facial Characteristics Using a Human-Robot-Game Interface.
- Enhanced parameter accuracy by analyzing video timestamps and graphs, improving result readability for attention and emotion recognition in therapeutic applications.
- Redesigned graphical components of a dashboard using JavaScript and Node.js, enhancing data retrieval for more insightful information.

Languages

- English: Fluent
- Spanish: Native
- French: Beginner