

# Allan Antonio S. Lopez | Software Developer

Location: Niagara Falls, Ontario, Canada

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**Willing to Relocate | Open to remote or hybrid**

Aspiring software developer with a solid IT background and a strong foundation in computer programming. Known for resilience, adaptability, and dedication, I am eager to transition into a software development role. While I lack direct experience, my hands-on programming skills and passion for learning make me a strong candidate for entry-level positions. Ready to contribute to innovative projects and grow in a dynamic environment.

## Education

**Diploma in Computer Programming**

Niagara College

*Niagara Scholar Awardee*

**Bachelor of Science in Information Technology**

Angeles University Foundation

*World Education Services Verified*

## Language Proficiency

English & Filipino/Tagalog

**Tools |** Python, C#, JavaScript, MySQL, MongoDB, CSS3, HTML5, .NET MVC5, ASP.NET, XAML, Pandas & NumPy, RESTAPI, Bootstrap5, Azure Cloud

## Skills

- Flexibility – adaptable to changing priorities and work environments, maintaining productivity and effectiveness.
- Attention to Detail – ensuring accuracy and quality in all tasks and projects.
- Problem Solving – with a proven ability to identify issues, develop solutions, and implement them effectively to resolve complex challenges.
- Decision Making – with a focus on analyzing situations, weighing options, and implementing effective solutions.
- Adaptability – Quick to learn and apply new technologies and processes, thriving in dynamic and fast-paced settings.
- Continuous Learning – Resilient in updating my skills, consistently pursuing new knowledge and professional development to stay current with industry trends and advancements.

## Certification

- Coursera – Introduction to Back-end Development
- Coursera – Programming in Python – *in progress*

## School Projects

### Canadian Automobile Association Marketing Inventory System

- Developed Secure Login and Dashboard: Created a secure login page and an interactive dashboard for inventory management using C#, JavaScript, and REST APIs, hosted on Azure Cloud.
- Implemented OOP Principles: Applied object-oriented programming principles to develop a modular and scalable software solution in C#.
- Utilized Relational Database: Integrated SQLite to efficiently store and retrieve metadata.
- Created Charts and Visualizations: Developed charts and visual data representations within the dashboard using JavaScript.
- Implemented API Integration: Utilized REST APIs, including Swagger, for seamless integration and functionality, leveraging Azure Cloud services.
- Practiced Version Control and Agile Methodologies: Employed GIT for version control and Trello for agile project management to ensure a collaborative development process.
- Performed Testing and Debugging: Conducted thorough testing and debugging to ensure system functionality and reliability.

### Medical/Music Collection

- Developed CRUD Functionality: Implemented basic CRUD functionality for adding, viewing, editing, and deleting items using C#.
- Designed User-Friendly Interface: Utilized object-oriented programming (OOP) principles in C# and JavaScript to design an intuitive and user-friendly interface for managing collections.
- Integrated Relational Database: Integrated a relational database (SQLite) with C# to efficiently store and retrieve metadata, demonstrating proficiency in database design.
- Implemented User Authentication: Utilized C# and JavaScript to implement user authentication and authorization with a login page and session management, along with API integration using Swagger.

### Point of Sales Design

- Implemented User-Friendly Interface: Employed Bootstrap to create an intuitive and responsive design, ensuring a user-friendly interface.
- Collaborated with Team Members: Worked closely with team members to ensure timely achievement of project objectives.
- Utilized JavaScript for Front-End Functionality: Leveraged JavaScript for front-end functionality, enhancing user interaction and experience.

- Utilized Bootstrap 5 for Responsive Design: Employed Bootstrap 5 for responsive and user-friendly interface design, ensuring compatibility across devices.
- Gained Experience in Collaborative Web Development: Acquired valuable experience in collaborative web development, project management, and documentation creation, contributing to overall project success.

**Product Mobile Development**

- Designed and Implemented User-Friendly XAML Interface: Utilized XAML to design and implement a user-friendly interface, ensuring an intuitive user experience.
- Developed Mobile App with .NET MAUI: Utilized .NET MAUI to develop a mobile app showcasing CRUD operations, demonstrating proficiency in cross-platform development.
- Integrated RESTful APIs for Data Interactions: Integrated REST APIs to retrieve, modify, and manage data, showcasing expertise in API integration and data handling.
- Conducted Comprehensive Testing and Debugging: Thoroughly tested and debugged the app to ensure reliability and performance, delivering a seamless user experience.

**Website Design**

- Developed Responsive Website: Created a responsive website using HTML5 and CSS3 to showcase a highlight of our own topic.
- Implemented Modern Web Design Principles: Utilized modern web design principles to ensure a visually appealing and cohesive layout.
- Ensured Cross-Browser Compatibility: Ensured cross-browser compatibility and responsiveness for seamless user experiences on various devices, employing CSS3 and HTML5.

**Data Analysis for University Costs & Olympic Medals**

- Independently Executed Data Analysis Project: Led and executed a data analysis project using Python, focusing on data provided in CSV format and JSON files.
- Utilized Python Libraries: Leveraged Python libraries including NumPy and Pandas for efficient data manipulation, cleaning, and analysis.
- Utilized Jupyter Notebook: Employed Jupyter Notebook for data exploration, visualization, and reporting, facilitating interactive data representation and analysis.
- Utilized MongoDB: Integrated MongoDB for data storage and retrieval, enhancing data analysis capabilities within the Python environment.

**Work Experiences**

Title	Company	Location	Length of stay
IT Support Specialist L1	Niagara City Cruises	Niagara Falls, ON	Currently employed
Technical Advisor Support	Concentrix	Niagara Falls, ON	7 months
Risk Management Analyst	GWU Marketing	Philippines	1 year and 4 months
Quality Control Analyst	Majorel	Philippines	2 years and 10 months
Language-based transactional quality control	Majorel	Philippines	8 months
Technical Support Specialist	Majorel	Philippines	1 year and 7 months
Escalation Specialist	Sutherland	Philippines	2 years and 9 months