

Alyssa Mae Ngo

Versatile software developer with 2+ years of C# and Java, delivering innovations for financial systems and more. Passionate about working with cross-functional teams to accomplish demanding objectives and deliver fulfilling results. Interested in software development, cybersecurity, emerging technology and AI development roles.

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Experience

Myriad Technologies, Eight Mile Plains, Queensland, Australia

Software Developer Intern, February - May 2024

- Engineered an innovative application that empowered developers to construct node networks for visualising communication pathways and managing data flow, enhancing team efficiency by 10% through optimised workflow processes
- Streamlined workflows using a repository and a scrum board to manage tasks and features to complete in each sprint

C88 Financial Technologies Pte Ltd, Makati, Metro Manila, Philippines

Software Developer - Development Associate, July 2021 - December 2022

- Developed several web pages that allow users to compare financial products by utilising the ASP.NET framework and reviewing the existing structure of the web application, resulting in a 10% increase in user retention rate
- Wrote a technical documentation detailing how to create the web forms for new financial product types by reviewing the existing code and recalling my initial experiences with creating the pages, which improved the developer team's productivity by 15%
- Completed various algorithms and functions that enhance the order management system for the financial products through analysing the existing code and utilising JavaScript and its frameworks such as Knockout, resulting in a 22% increase in sales efficiency

Weave Solutions, Inc, San Juan, Metro Manila, Philippines

Junior Developer, October 2020 - July 2021

- Collaborated with developer teams from several financial companies to work on their respective web applications
- Enhanced functions of an online system used by a garment manufacturing company for sales and ordering supplies utilising Java and frameworks like JSP, resulting in a decrease in bug rate by 5%
- Created several query scripts to ease of use of an insurance company's database using Oracle SQL and PL/SQL, increasing the convenience of looking up queries by 8%

Projects

Tick-a-Task | React Native, JavaScript, NodeJS, Express, MySQL

2024

- Designed and developed according to the requirements of Assessment 3 of the unit IFN666 (Web and Mobile App Development)
- Engineered a productivity application using the MERN stack with MySQL in place of MongoDB, allowing users to keep track of daily activities and tasks to accomplish on a given day, simulating task management tools such as Todoist, Apple Reminders and Google Tasks
- Added features that improve the functionality of the app such as a calendar slider that shows the tasks to be done on each day, a dashboard with weekly task completion stats and lifetime task tracking to improve user productivity

S2IX Schema Builder | C#, ASP.NET Core, Blazor, Fluent UI (Blazor), XML 2024

- Designed and developed according to the requirements of the Software Development Manager and feedback supplied by the developer team of Myriad Technologies
- Used C#, ASP.NET Core and Blazor to implement features such as a node network generator, priorities manager, replication definitions editor and a system to save these to an XML file

Mighty Mug Online Store | Python 3, Flask, HTML, CSS, Bootstrap, SQLAlchemy, SQLite 2023

- Designed and developed according to the requirements of Assessment 2 of the unit IFN557 (Rapid Web Development)
- Created an e-commerce website that sells mugs to users, complete with shopping cart system and order form and features such as filters and searching, simulating real world online stores like Shopify

Cekaja | C#, ASP.NET, Razor, JavaScript, Knockout.JS 2022

- Designed and developed according to the standards set by the developer team of C88 Financial Technologies
- Created several web forms that identifies the best financial products of a user based on personal details such as their address and salary
- Implemented API endpoints that obtains the user's details and provide results to the user

Education

Queensland University of Technology, Brisbane, Queensland, Australia

Master of Information Technology (major in Software Development)

Graduated December 2024

Ateneo de Manila University, Quezon City, Metro Manila, Philippines

Bachelor of Science in Computer Science (with specialisation in Enterprise Systems)

Graduated May 2020

Skills

Programming Languages: Java, C#, Python 3, JavaScript, SQL**Frameworks, Libraries and Tools:** React, React Native, Node.js, Bootstrap, .NET, Blazor, Razor, Entity Framework, Visual Studio, Visual Studio Code, Eclipse**Database Management:** MySQL, SQLite, Oracle SQL, Microsoft SQL Server**Version Control:** Git, GitHub, Azure DevOps**Other Skills:** RESTful API development, object-oriented programming (OOP), software design patterns