

# Muhamad Miguel Emmara

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## SUMMARY

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Passionate **Full Stack Developer** with a strong drive to create innovative software solutions. Proficient in a range of programming languages and frameworks, with a proven track record of delivering high-quality code. Experienced in collaborating within cross-functional teams to translate complex business challenges into practical applications. Actively seeking opportunities to contribute to impactful projects and further develop my technical expertise.

## SKILLS

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### Front End / Website

- HTML, CSS, JavaScript, Typescript, React JS, Next JS, Bootstrap, Tailwind CSS

### Back End / API

- Node JS, Express JS, Nest JS, Laravel, RESTful API

### Database

- SQL: MySQL, MariaDB, PostgreSQL
- NoSQL: MongoDB

### Programming

- C, C#, Java, Python, PHP, JavaScript, Typescript

### Cloud Services

• Amazon Web Services (AWS), Google Cloud, Microsoft Azure, DevOps deployment, CI/CD, Docker, Git & GitHub, Cloud Servers / Hosting

### Additional

- Agile, Scrum, Project Planning, GitHub, Jira, Trello, Office Apps

## EDUCATION

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### Software Development Major - Bachelor of Computer and Information Sciences

Auckland University of Technology • Auckland, NZ • 2024

• Programming 1 (**C**) • Programming 2 (**Java / OOP**) • Software Development Practice (**Scrum / GitHub**) • Data Structures and Algorithms • Operating Systems • Contemporary Issues in Software Engineering (**MERN / Next JS / Nest JS**) • Web Development (PHP / Laravel) • Foundations of Data Science (**Python**) • Research and Development Project (**Working for Adroit**)

### Certificate in Science and Technology

Auckland University of Technology • Auckland, NZ • 2019

## PROJECTS

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### SHAPE UP | MERN Stack

University Project • June 2023 • [GitHub Link](#) • [Demo Link](#)  
(HTML, CSS, JavaScript, MongoDB, React JS, Express JS, Node JS, Axios.)

- Shape-Up is an easy-to-use fitness-tracking web application. Its main goal is to assist users in their wellness journey, providing tools and features to help them achieve their fitness goals.
- Designed the responsive website using **React**.
- Setup **Node JS** with **Express JS** as the backend **RESTful API** with connection to **MongoDB**.
- Prepare for production and launch the app on the **Nginx (LEMP)** server using **PM2**.

## CABS ONLINE | Laravel

University Project • June 2022 • [GitHub Link](#) • [Demo Link](#)  
(HTML, CSS, jQuery, PHP, Laravel, Bootstrap, MySQL)

- Simple web-based taxi booking system called Cabs Online. It allows passengers to book taxi services from any of their internet connected computers or mobile phones.
- Utilize **MVC** framework using **Laravel**.
- Leveraged Laravel's **routing**, **controller**, and **model** features to effectively manage user requests, logic processing, and data manipulation
- Prepare for production and launch the app serverless **Lambda** through **AWS** with a domain name.

## FIT LOOPS | Java

University Project • June 2022 • [GitHub Link](#) • [Demo Link](#)  
(Java, OOP, IntelliJ IDEA)

- Fit Loops is all in one menu-driven Fitness Application to help keep track of diet and exercise.
- Utilized Java programming language and leveraged the capabilities of **IntelliJ IDEA**, showcasing proficiency in object-oriented programming (**OOP**) principles.
- Developed a **robust data structure** to store diet plans, exercise routines, and user profiles, ensuring efficient data management and retrieval.
- Ensured application stability by implementing error handling techniques for graceful **handling of user input errors and exceptions**. Additionally, showcased **problem-solving skills** with a customizable workout routine generator based on user preferences and fitness goals.

## DASHR | Laravel

University Project • June 2022 • [GitHub Link](#) • [Demo Link](#)  
(HTML, CSS, jQuery, PHP, Laravel, Bootstrap, MySQL)

- **Blog CMS** made with **Laravel** framework.
- Designed an elegant and responsive user interface using **Bootstrap** and **CSS**, ensuring a visually appealing and user-friendly experience across devices.
- Implemented secure **user authentication**, ensuring that only authorized blog admin can access the dashboard page and its functionalities.
- Developed an intuitive content creation and management system, allowing users to easily **compose**, **edit**, and **organize** their blog posts. Additionally, implemented dynamic blog post **categorization** and **tagging** for improved content discoverability.

## LEMPZY | Bash Script

University Project • June 2022 • [GitHub Link](#) • [Demo Link](#)  
(Shell scripting, VPS, Virtual Machine, OS)

- Created Lempzy, an easy-to-use script for installing the **LEMP** Server Stack (Linux, Nginx, MySQL, PHP) with a single command line, saving users time and effort.
- Leveraged **Nginx** as a high-performance web server and reverse proxy server to enhance server performance.
- Implemented **FastCGI** caching and integrated **PHP-fpm** for efficient **PHP** scripting and database connectivity within the **LEMP** stack.
- Provided users with free **SSL** certificates from **Let's Encrypt** for secure **HTTPS** connections and offered seamless **domain**, **database**, and **WordPress** management capabilities within the **LEMP** stack.

## EXPERIENCE

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### Liquor Department Assistant

Pak N Save, Taupo, NZ  
2023

November 2019 – February

- Provided exceptional **customer service**: Gained proficiency in understanding and addressing customer needs, effectively **resolving inquiries** and ensuring a personalized shopping experience. Developed strong interpersonal skills and the ability to **handle diverse customer preferences**.
- Efficiently managed wine and beer inventory: Developed **inventory management skills**, including meticulous record-keeping, stock rotation, and **product arrangement**. This experience honed **attention to detail** and organizational abilities, ensuring accurate stock levels and **reducing waste**.
- Restocked shelves and coolers, lifting products up to 20 KG: Strengthened physical endurance and learned safe lifting techniques. This showcases my dedication to **maintaining a well-stocked department** while prioritizing **safety** and preventing workplace injuries.

### Kitchen Assistant

SIAM THAI CAFÉ, Taupo, NZ  
2018

October 2018 - December

- Supported the chef in **preparing main courses**, ensuring **quality dishes**: Developed an understanding of culinary techniques and attention to ingredient quality. Participated in **maintaining high food standards**, showcasing an **eye for detail** and dedication to delivering top-notch culinary experiences.
- Delivered food to customers promptly: Honed time management skills by ensuring timely delivery of orders. This experience demonstrated my ability to **work efficiently under pressure** while prioritizing customer satisfaction.

### Kitchen Assistant

SUSHI PARADISE, Taupo, NZ  
2017

April 2017 - September

- Assisted chef in preparing dishes, ensuring timely delivery: Enhanced teamwork and adaptability by collaborating on food prep and service. This showcases my ability to **work seamlessly as a team player**.
- Maintained kitchen hygiene and organization in food safety and cleanliness, ensuring **smooth operations and professionalism**.

## REFEREES

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Available on request.