

# INGYIN MAY

Full-Stack .NET Developer | System Analyst | Junior DevOps/Cloud Engineer

+65 9073 2030 | [mayingyin1641997@gmail.com](mailto:mayingyin1641997@gmail.com)

Singapore | [GitHub: github.com/riri97-igm](https://github.com/riri97-igm)

[ingyinmay.dev](https://ingyinmay.dev)



## PROFESSIONAL SUMMARY

Software Developer and System Analyst with 3 years of experience in full-stack and backend development. Skilled in ASP.NET Core, React.js, REST API development, and SQL database design. Experienced in deploying applications on AWS EC2 and configuring cloud networking including VPC architecture. Strong background in system analysis, requirement gathering, and building scalable web applications. Holds a Graduate Diploma in Systems Analysis from NUS and a Terraform Associate (004) certification.

## TECHNICAL SKILLS

**Backend:** C#, ASP.NET Core, Entity Framework Core, Java, Spring Boot, Python, REST APIs

**Frontend:** React.js 18, Redux Toolkit, Material UI, Tailwind CSS, HTML, CSS, JavaScript, AJAX, jQuery

**Cloud & DevOps:** AWS, Terraform (IaC), Docker, GitHub Actions CI/CD, Linux, IIS, Apache Tomcat

**Database:** MySQL, MSSQL, Entity Framework Core, Stored Procedures

**Tools:** Git, Scrum/Agile, Swagger, Postman, Jira, Notion, JUnit, Keras, Scikit-learn, Maven

## PROFESSIONAL EXPERIENCE

### System Analyst Intern

Seacare Manpower Service Pte | 09/2024 – 01/2025 | Singapore

- Participated in developing a user-facing registration website with 7 sections including personal details and photo uploading, saving all data to the database.
- Contributed to building a secure admin portal to manage job listings, candidates, and client employers using ASP.NET Core and SQL Server.
- Performed database migration, transferring existing data from Excel spreadsheets into the system database.
- Implemented role-based authentication and authorization for recruiter and HR staff access.
- Prepared user manual and technical documentation, and drew Data Flow Diagrams (DFDs) as part of system documentation.

### Junior Software Developer

Mr IT Company Ltd | 12/2021 – 01/2024 | Myanmar

- Contributed to backend development of a course discovery platform using ASP.NET Core, working on search, filter, and enrollment features under senior guidance.
- Implemented login and registration functionality using ASP.NET Identity and JWT for multiple user roles (Student, Provider, Admin).
- Worked on the cashier interface and discount/payment logic of a .NET-based POS system, fixing bugs and adding small features.
- Wrote and improved SQL queries and stored procedures to speed up data retrieval for product and sales modules.
- Participated in Agile sprints and code reviews, learning from feedback and gradually taking on more independent tasks.

### Administrative Assistant

Myanmar Brewery Ltd | 08/2018 – 10/2021 | Myanmar

- Managed inventory coordination, vendor communication, and logistical planning to ensure timely deliveries.
- Streamlined administrative tasks, increasing office productivity in high-pressure environments.

## KEY ACHIEVEMENTS

### ► End-to-End System Delivery at Seacare

As an intern, independently led the full development cycle of a recruitment admin portal — from requirement gathering and system analysis to backend API development and deployment — serving real business users at Seacare Manpower.

### ► Career Transition into Tech

Successfully transitioned from a non-technical background (Industrial Chemistry + Admin) into software development, earning a Graduate Diploma in Systems Analysis from NUS and securing a System Analyst internship within the same year.

## ► Cloud & DevOps Upskilling

Self-initiated learning in cloud and DevOps, earning the HashiCorp Terraform Associate (004) certification and building hands-on AWS projects covering EC2, VPC, IAM, and EKS infrastructure using Terraform IaC.

## ► Full-Stack Breadth Across Multiple Domains

Delivered production-quality systems across three distinct domains — a recruitment platform, a course discovery platform, and a retail POS system — demonstrating adaptability across both frontend and backend stacks.

## PROJECTS

---

### *Hands-On / Personal Projects*

#### **E-Commerce Web Application**

.NET 7, React 18, ASP.NET Identity, JWT | [github.com/riri97-igm/E-Commerce\\_v1](https://github.com/riri97-igm/E-Commerce_v1)

- Developed a full-stack e-commerce platform using .NET 7, React 18, improving scalability and user experience.
- Built and maintained RESTful APIs for product, basket, and order modules with JWT authentication.
- Created a scalable SPA using React 18, Redux Toolkit, and Material UI with filtering, sorting, pagination, and search.

#### **Terraform EKS Infrastructure (IaC)**

Terraform, AWS EKS | [github.com/riri97-igm/terraform-eks-infra](https://github.com/riri97-igm/terraform-eks-infra)

- Provisioned an AWS EKS cluster using Terraform following Infrastructure as Code best practices.
- Wrote modular Terraform configurations for EKS, VPC, IAM, and node groups to enable consistent, repeatable environment setup.
- Practised separating infrastructure concerns into reusable modules for better maintainability and scalability.

#### **Visitor Management System (VMS)**

ASP.NET Core, React | UI: [github.com/riri97-igm/VMS\\_UI](https://github.com/riri97-igm/VMS_UI) | API: [github.com/riri97-igm/VMS\\_API](https://github.com/riri97-igm/VMS_API)

- Built a full-stack Visitor Management System with a React frontend and ASP.NET Core REST API backend.
- Implemented visitor registration, check-in/check-out workflows, and role-based access control.
- Designed RESTful API endpoints and connected them to the React UI with form validation and status feedback.

#### **Terraform AWS Dashboard Counting App**

Terraform, AWS | [github.com/riri97-igm/terraform-aws-dashboard-counting-app](https://github.com/riri97-igm/terraform-aws-dashboard-counting-app)

- Provisioned AWS infrastructure using Terraform with modular IaC configurations for EC2, VPC, and IAM.
- Built a simple dashboard application to practice connecting a frontend to cloud-hosted backend resources.
- Practised writing clean, reusable Terraform modules for repeatable cloud deployment.

#### **Cloud Deployment Practice Project**

AWS EC2, VPC, Bash

- Deployed a web application on AWS EC2 with VPC networking covering public/private instances and Internet Gateway.
- Configured frontend with public IP access and backend using private IP for secure internal communication.
- Automated deployment and server setup using Bash scripts; simulated Linux server environments with VirtualBox.

### *Projects from Work Experience*

#### **Admin Portal — Recruitment Platform**

Seacare Manpower Service Pte | System Analyst Intern | 09/2024 – 01/2025 | Singapore

- Participated in developing a user-facing registration website with 7 sections including photo uploading, with all submitted data saved to the database.
- Contributed to building the admin portal for managing job listings, candidate profiles, and client employer records using ASP.NET Core and SQL Server.
- Performed data migration from Excel spreadsheets into the system database.
- Produced user manual, technical documentation, and Data Flow Diagrams (DFDs) to support system handover and maintenance.

#### **Course Finder Platform**

Mr IT Company Ltd | Junior Software Developer | 12/2021 – 01/2023 | Myanmar

- Contributed to building a course discovery platform, implementing assigned backend modules for course listings, categories, and user profiles using ASP.NET Core and EF Core.
- Implemented authentication and registration pages using ASP.NET Identity and JWT as part of the team's feature tasks.

- Worked on search and filter functionality (by price, category, location) and assisted with the enrollment submission flow.

### **Point of Sale (POS) System**

**Mr IT Company Ltd | Junior Software Developer** | 12/2021 – 01/2023 | Myanmar

- Worked on assigned modules of a .NET-based POS system — mainly the cashier interface, discount logic, and payment flow.
- Wrote SQL queries and assisted with stored procedures to improve data retrieval speed for sales and inventory modules.
- Helped implement receipt generation and basic role-based access for cashier and admin users.

## **EDUCATION**

---

### **Graduate Diploma in Systems Analysis**

**National University of Singapore (NUS)** | 02/2024 – 01/2025 | Singapore

### **Bachelor of Science (Industrial Chemistry)**

**East Yangon University** | 09/2013 – 08/2018 | Myanmar

## **CERTIFICATIONS & TRAINING**

---

**Terraform Associate (004)** — HashiCorp