Muhammad Ishan Wardhono

6 Years of Experience as Backend Software Engineer

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Summary

Proficient in **Golang**, familiar with **C#** and **Java**. Experienced in transaction systems for E-commerce, Warehouse Management Systems, IT consultancy, and software houses. Skilled in **Object-Oriented Programming**, **Microservices architecture**, and **design patterns**. Experienced in writing **unit** and **integration tests**.

Experiences

Backend Engineer | Evermos | November 2023 - Now

Yogyakarta, Indonesia

Maintain and enhance **Golang** services for transaction modules. Implement databases using **MySQL** and **DynamoDB**. Manage critical e-commerce services, such as Cart, Checkout, Promo, Campaign, and Order Management. Debug using **Grafana** and perform bug fixes. Create automation workflows with **N8N Workflows**. Draft **Technical Requirements Documents (TRD)** for each project, aligning with the Product Requirement Document (PRD). Draft **Change Management (CMF)** for every production change, including service deployments and database query executions.

Golang Developer | HTC Global Services | November 2022 - November 2023

Kuala Lumpur, Malaysia

Worked on an Accenture project, contributing to the development of an **OpenAPI** service for a major bank in Thailand. Developed and maintained backend services with **Golang** and **PostgreSQL** database. Built **microservices** in an **Orchestration architecture**. Managed microservices deployment with **Kubernetes**. Implemented logs using **Kafka**.

Backend Developer | Pingspace Robotics | May 2021 - November 2022

Penang, Malaysia

Developed warehouse management system (WMS) with **C#** and **PostgreSQL**, using **Domain-Driven Design** to manage the core modules. Maintained a storage management system using **Node.js**. Developed a warehouse e-commerce platform with **Serverless Stack** using **TypeScript** and deployed it to **AWS Lambda Functions**. Integrated **Sign-In with Apple** for authentication. Integrated file management with **AWS S3**. Containerized services using **Docker** and **Docker Compose**.

Software Engineer | Tokopedia | April 2019 - May 2021

Jakarta, Indonesia

Developed high-availability and scalable **microservices** written in **Golang**. Implemented database with **CockroachDB**. Implemented service communication using **HTTP REST**, **gRPC**, **GraphQL**, and **NSQ**. Applied **SOLID Principles** and **Design Patterns** such as **Dependency Injection**, **Factory**, and **State**. Maintained **Unit Tests** with a minimum of **70%** coverage. Implemented system monitoring with **Datadog**, **Grafana**, and **Scalyr**. Maintained service uptime above **99%** and error rates below **1%**, while handling approximately **2500 RPS** with an average response time of **60ms**.

Education

Universitas Sumatera Utara
2014 - 2018
Medan, Indonesia
Bachelor of Computer Science
GPA: 3.76

Skills

Golang	**MySQL**	**RabbitMQ**	**Microservices**
C#	**MongoDB**	**Docker**	**Unit Test**
PostgreSQL	**Redis**	**GCP**	**N8N Workflow**