Certificate of Graduation

HACKTIV8

Hosted by
HACKTIV8 Indonesia

This Certificate is Proudly Presented to

Zian Carlos Wong

For successfully completing the program
Back End Golang Night Bootcamp
With Predicate **Participants**
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HACKTIV8 *Bootcamp Predicate Descriptions*

Back End Golang Night Bootcamp

PREDICATE	FINAL SCORE	LEVEL OF COMPETENCIES
Teacher's Award	>=95%	1. **Successfully develops microservices** using Golang and **gRPC**, efficiently implemented on the **Echo framework**, with a focus on connection pooling and dependency injection. 2. **Proficients** in **implementing** caching with **Redis** and service-to-service communication using the pub-sub pattern through **RabbitMQ**. 3. **Successfully deploys** applications on **GCP** and optimize service performance through the integration of **microservices** components.
Honors	90 - 94.9%	1. **Successfully develops microservices** with the **Echo framework**, including inter-service communication using **gRPC** and implementation of **3rd Party APIs**. 2. **Builds** applications on **GCP** and manage inter-service communication using **RabbitMQ**. 3. **Understands** the **fundamentals** of caching with **Redis** to enhance service performance.
Graduates	80 - 89.9%	1. **Implements** microservice concepts, understands REST APIs, and uses gRPC to enable smooth communication between services. 2. **Implements** caching with **Redis** for application efficiency. 3. **Successfully creates** standard applications on **GCP** with standard configuration.
Participants	70 - 79.9%	1. **Understands** foundational knowledge of **microservices** and related components, including Golang and the **Echo framework.** 2. **Understands** standard deployments with foundational pub-sub concepts using **RabbitMQ** and simple caching with **Redis.**

This scoring system reflects the comprehensive Back-End Golang Program curriculum, covering essential to advanced skills in microservice development and deployment on cloud platforms. A score of 80% and above demonstrates proficiency in building professional-grade back-end applications, including effective microservice architecture and deployment practices. The assessment evaluates practical implementation of microservices, integration of caching and message queue services, and optimized cloud deployments.