

Certificate of Graduation



Hosted by
HACKTIV8 Indonesia

Riza Fahmi
Co-Founder & Chief
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This Certificate is Proudly Presented to

Joseph Heykel Prabawa

For successfully completing the program
Back End Golang Night Bootcamp

With Predicate **Teacher's Award**

Issued on **10 Oct 2025**



Back End Golang Night Bootcamp

PREDICATE	FINAL SCORE	LEVEL OF COMPETENCIES
Teacher's Award	>=95%	<ol style="list-style-type: none">Successfully develops microservices using Golang and gRPC, efficiently implemented on the Echo framework, with a focus on connection pooling and dependency injection.Proficients in implementing caching with Redis and service-to-service communication using the pub-sub pattern through RabbitMQ.Successfully deploys applications on GCP and optimize service performance through the integration of microservices components.
Honors	90 - 94.9%	<ol style="list-style-type: none">Successfully develops microservices with the Echo framework, including inter-service communication using gRPC and implementation of 3rd Party APIs.Builds applications on GCP and manage inter-service communication using RabbitMQ.Understands the fundamentals of caching with Redis to enhance service performance.
Graduates	80 - 89.9%	<ol style="list-style-type: none">Implements microservice concepts, understands REST APIs, and uses gRPC to enable smooth communication between services.Implements caching with Redis for application efficiency.Successfully creates standard applications on GCP with standard configuration.
Participants	70 - 79.9%	<ol style="list-style-type: none">Understands foundational knowledge of microservices and related components, including Golang and the Echo framework.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.