

RIFALDO AGUSTINUS SALIM

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[Website](#) · [LinkedIn](#) · [Github](#)

EXPERIENCE

Bank Sinarmas | Backend Software Engineer Intern

Go, PostgreSQL, Docker, Kubernetes

Jakarta, Indonesia

Feb 2025 - Feb 2026

- Contributed to the development and maintenance of core features for two major internal sales applications, utilizing Clean Architecture principles to ensure scalable and maintainable code
- Collaborated extensively with product and QA teams on Agile project development, actively participating in Scrum ceremonies, attending user review meetings, and providing explanations of technical issues to non-technical stakeholders
- Participated in the development of a highly performant in-memory hierarchical tree data structure to store all internal sales data at program's launch for fast access and retrieval, bypassing the need for expensive third-party and database calls
- Wrote extensive unit test utilizing mocks, maintaining greater than 90% coverage per PR, bolstering application reliability
- Executed complex database migrations using SQL (CTE, multiple JOIN, etc.), including deploying extensive migration scripts to resolve dynamic role-based access control (RBAC)
- Performed SQL query optimization using ANALYZE on an existing complex GORM query to extract sales metric data, decreasing query execution time by half
- Designed and implemented an upgrade plan for the mock generation tool mockery from v2 to the latest v3, increasing mock generation speed by 10x and enhancing developer experience
- Conducted detailed research on multiple fundamental technologies such as Go's Garbage Collector and Fuzz Testing, sharing the knowledge gained to the team and increasing developers' knowledge

EDUCATION

Binus University

S.Kom in Computer Science

GPA: 3.6

2022 - 2026

TECHNICAL SKILLS

Programming Languages: Go (Golang), SQL, Bash, Python, HTML/CSS
Technologies/Tools: Git, PostgreSQL, Docker, Kubernetes, Linux, Vim
Frameworks: Echo, Chi, GORM, Testify

PROJECTS

Binget Go

<https://github.com/Arcu7/binget>

A CLI tool written in Go using urfave/cli that installs binaries directly from GitHub releases, automatically detects the user's OS/architecture and extracts the appropriate binary to a PATH directory

crud-echo Go

<https://github.com/Arcu7/crud-echo>

A bookstore CRUD backend developed at the start of my internship to learn more about clean architecture in Go and the stack used at my Bank Sinarmas internship (Echo, Uber's dig, etc.)