Tobias Ekstrand Junior Go Developer

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PROFILE SUMMARY

- **Junior Go Developer** with **2 years** building **card and payment services** at a **Nordic digital bank**, after 2 years as a **technical support engineer** handling API and webhook escalations.
- Ships **Go** services over **gRPC** and REST, stores data in **PostgreSQL** through pgx and sqlc, consumes events from **RabbitMQ**, deploys to **Kubernetes** on AWS and tests with **go test** and Testcontainers.
- Learning **concurrency patterns** (worker pools, context timeouts) and **Kubernetes controllers** from senior reviewers, and attaches a **pprof** capture to every pull request that claims a speedup.
- Pairs with **senior engineers**, the **cards product team** and **customer support**, joins **design reviews** and takes the **cards on-call rotation** with a senior backup.
- Runs the team's **Go reading group**, keeps the **card-limit runbook** current, and showed support agents how to check a customer's card state with the team's **internal CLI**.

TECHNICAL SKILLS

Languages:	Go, SQL, Bash, Python (scripts)
Go Libraries & Frameworks:	net/http, chi, Cobra, pgx, sqlc, controller-runtime (basics)
APIs & Protocols:	gRPC, Protocol Buffers, REST, OpenAPI
Databases & Messaging:	PostgreSQL, RabbitMQ, Redis
Cloud, Containers & CI/CD:	Kubernetes, Docker, AWS (EKS, RDS), GitHub Actions
Testing & Code Quality:	go test (table-driven), testify, Testcontainers, golangci-lint, govulncheck
Observability & Profiling:	pprof, Prometheus, Grafana, slog

EDUCATION

IT University of Copenhagen — B.Sc. in Software Development — Copenhagen, Denmark · Sep 2019 to Jun 2022

WORK EXPERIENCE

Lunar — Software Engineer — Aarhus, Denmark · Oct 2024 to Present

- Built the card-limit **gRPC** service in **Go** behind the app's spending limit screen, with Protocol Buffers contracts and table-driven tests, used by **210,000 customers** a month in Denmark and Sweden.
- Replaced the nightly card statement export with an **errgroup** worker pool capped at 8 goroutines and context timeouts per account, cutting the run from 3 hours 10 minutes to **24 minutes**.
- Moved the transactions service to **sqlc**-generated queries on a **pgx** pool and added idempotency keys to its **RabbitMQ** consumer, ending duplicate push notifications that hit about **40 customers a week**.
- Added scheduled password rotation to Lunar's open source **PostgreSQL controller** for Kubernetes, with an envtest suite, removing about **120 manual credential tickets** a year.
- Found a goroutine leak in the card-limit service with **pprof** and a Grafana memory panel, fixed a retry loop that ignored context cancellation, and dropped pod memory from 1.1 GB to **180 MB**.

Zendesk — Technical Support Engineer — Copenhagen, Denmark · Aug 2022 to Sep 2024

- Wrote a **Go** CLI with **Cobra** that pulls API logs and webhook delivery history for a ticket, cutting diagnosis time on integration escalations from 35 minutes to **12**.
- Kept the support team's Go tools on current releases with **Dependabot** and **govulncheck** in GitHub Actions, closing **14 vulnerable module alerts** in the first month.
- Handled **1,100+ API and webhook escalations** a year, reproducing each bug as a failing test case before handing it to the engineering team that owned the code.