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Experience

QLUB - Associate Software Engineer

Aug 2025 – Present

- Developing and maintaining third-party POS integrations using **Go** and **Python** for seamless payment processing across multiple vendor systems.
- Implementing **RESTful APIs** and **microservices architecture** to integrate with multiple POS systems, improving reliability and reducing coupling.
- Collaborating with cross-functional teams to deliver scalable backend solutions and improve overall system performance.

QLUB - Software Engineer Intern

Feb 2025 – Jul 2025

- Built third-party POS integration modules using **Go** and **Python**, reducing integration delivery time by **30%**.
- Developed backend services for payment processing and order management with a focus on reliability and scalability.
- Worked with **PostgreSQL** and **Redis** for relational data management, caching, and performance optimization.

Education

University of Moratuwa

2022 – Present

BSc (Hons) in Information Technology

Skills

Languages	Go, Python, Java
Web & Frameworks	React, Spring Boot, Gin
Databases	PostgreSQL, MySQL, MongoDB, Redis, MSSQL
DevOps & Tools	Docker, Git, CI/CD, AWS, GCP, Postman
Soft Skills	Problem Solving, Team Collaboration, Communication, Leadership

Projects

CloudBin - Scalable File Storage Service

Go, Gin

- Designed and implemented a **RESTful backend file storage service** inspired by cloud object storage (S3-style), supporting secure upload, retrieval, and file management.
- Built concurrent file handling using **goroutines** to improve throughput under high load.
- Designed an extensible storage abstraction layer to support swappable storage backends.
- Implemented secure file access mechanisms with input validation and controlled access control.

SEO Audit Tool

Go, PostgreSQL

- Built a concurrent web crawler using **goroutines** to analyze website SEO performance and extract structured meta-data.
- Extracted page titles, meta tags, and HTTP response metrics for structured SEO reporting.
- Designed a deduplication strategy to avoid redundant visits and maximize crawl coverage.
- Stored and queried crawl results using **PostgreSQL** for persistent analysis.

FocusList – Secure Notes API

Go, Gin, PostgreSQL, Redis

- Developed a secure backend API for user-specific note management with **JWT-based authentication** and refresh token handling.
- Implemented user-level data isolation and fine-grained authorization mechanisms.
- Integrated **Redis** for session management, token caching, and validation optimization.
- Structured the project using **clean architecture** principles for maintainability and testability.

Microservices E-Commerce Backend

Spring Boot, MySQL, Docker

- Designed a modular backend system using **microservices architecture** with independent services for authentication, orders, and payments.
- Implemented inter-service communication and containerized all services using **Docker**.
- Optimized service-level performance, reducing end-to-end response latency.