

A software engineer with a deep passion for building scalable, robust, high-performance systems.

Work Experience

Middle Software Engineer

ANZ Plus

HCL x ANZ

Australia

Aug 2025 – Present

- **Account Closure (feature):** saved the bank ~3,000 staff-hours per month by implementing a Go service that automates the account closure process. The project was one of a few initiatives that didn't get cancelled in the company-wide restructure. Wrote automated integration tests that **cut QA workload by 50%**.
- **Email archival data migration:** designed and implemented a Temporal workflow to archive customer emails to ANZ internal storage system. The project was critical in the ANZ acquisition of Suncorp bank. Handles up to **1,000,000 emails per day**. Owned key non-functional aspects: scheduling, reliability and high throughput by using Temporal task queues and rate-limited task processing to avoid overwhelming downstream services.
- **Document viewer portal internal tool:** partnered with business analysts and senior engineers to define project scope. Persuaded BA to drop a feature that was low value and technically impractical.

Software Engineer

Data modeling team

Holistics Data

Ho Chi Minh, Vietnam

Jan 2023 – July 2025

- **Databricks connector (feature):** architected a data connector for Databricks data source using **Ruby, Typescript, OpenAPI and OpenTelemetry**. Features include data polling, query timeout, schema synchronization, and time-zone processing. Make Databricks SQL constructs work with various visualizations (pivot, KPI metrics, line chart, pie chart, ...). Designed an SQL engine that constructs execution-ready SQL queries for the Databricks runtime by first generating structured query representations and subsequently transforming them into executable SQL strings compatible with the Databricks data warehouse. Achieved a **95% query success rate**, enabling customers to **query data reliably at scale**. This feature is essential in **retaining 2 enterprise customers (4 figures in yearly revenue)**.
- **Dbt cloud integration (feature):** designed and implemented the core data mapping and synchronization mechanism using **Vue.js, Ruby on Rails, TypeScript, OpenAPI, and OpenTelemetry**. Key features include retrieving dbt metadata from dbt Cloud and mapping it to Holistics data models. Increased **dbt usage by 20%** and contributed to a **4 figures EUR/month enterprise deal**.
- **String search parser (feature):** designed and implemented advanced search syntax to perform precise, scoped, and object-based searches. **Improved user productivity by 20%**.
- **Automated migration process (link):** led a team of 3 people to implement a migration pipeline with automatic failure detection and data inconsistency resolution. Increased **5 figures in MRR** from migrations and **reduced 80% of manual work** for engineers.

Personal projects

- **Cloud-Agnostic Blob Storage (github):** cloud-agnostic blob storage system enabling zero-downtime migrations between AWS S3, Azure Blob Storage, and Google Cloud Storage. Notable features: **zero-downtime migrations, cloud portability** and **routing from logical to physical** bucket names.
- **Logical Sharding Layer (github):** a scalable logical sharding layer on top of object storage (MinIO/Azure Blob) to overcome cloud provider limits and improve performance. Notable features are **logical sharding** (distribute blobs across multiple storage accounts to bypass individual account limits) and **metadata layer** (fast HEAD and LIST operations without querying underlying storage).

Education and Certifications

- **B.Sc. Computer Science**, FPT University, Vietnam.
- **B.Sc. Electrical Engineer**, Ho Chi Minh University of Technology, Vietnam.
- **IELTS 7.0**

Other Sections

- 1st place in Productivity category in Holistics hackathon 2024 ([link](#))
 - Promising award in in Holistics hackathon 2023 ([link](#))
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