

# Quang Trinh

Solution Architect | Rackspace Technology

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## Summary

- Experienced Solution Architect with 10 years of experience in designing, building, and leading scalable data platforms.
- Proven expertise in cloud-based architectures (Azure, AWS), big data frameworks (Spark, Databricks), and real-time data processing (Kafka, Spark Streaming)
- Adept at leading cross-functional teams, optimizing data pipelines, and driving business intelligence initiatives.
- Passionate about mentoring teams and implementing AI-driven data strategies.

## Skills

### Leadership & Strategy

- Data Governance
- Team Management
- Agile & DevOps
- Stakeholder Collaboration
- Strategic Thinking

### Data Engineering & Architecture

- Programming (Python, Java)
- Cloud Architecture (Azure, AWS)
- Spark (Databricks)
- Microsoft Fabrics
- Airflow (Astronomer)
- Kafka (Confluent)
- IaC (Terraform)
- Data Quality (Great Expectation, Soda)
- dbt-core

### Analytics & AI

- Power BI
- Power BI – Paginated Report
- AI Agents (Autogen 0.4)
- LLM Orchestration (Langchain, llama-index)

## Experience

### RACKSPACE TECHNOLOGY

#### *Solution Architect*

Mar 2024 - Present

#### *Lead Data Engineer*

Jan 2022 – Feb 2024

#### *Senior Data Engineer*

Apr 2021 –Dec 2021

- Defined project scope, goals, deliverables and detailed project plans in collaboration with stakeholders.
- Monitor project progress and ensure timely execution of milestones.
- Identify and mitigate project risks while ensuring adherence to budget and timelines.
- Designed and implemented scalable, high-performance data platforms using Azure Infrastructure, Databricks, and Microsoft Fabric Ecosystem.
- Built robust ETL frameworks for diverse data sources (SAP, Oracle Fusion, RDB, IoT devices), ensuring optimal performance and data quality.
- Led innovation initiatives in Microsoft Fabric and Power BI adoption, delivering advanced analytics and operational reporting solutions.
- Mentored team members, fostering a culture of continuous improvement and technical excellence.
- Improved internal processes, boosting project management and operational effectiveness.

## PROJECTS

### ZINGHR – Fabrics and Copilot POC

India | Aug 24 – Nov 24

- Engineered and deployed a robust ETL framework for Fabrics leveraging cutting-edge tools
- Seamlessly integrated data from 03 SQL Server databases encompassing 14 raw tables into a centralized data ecosystem.
- Developed 16 optimized tables to support high-performance reporting and analytics.
- Delivered actionable insights through Attrition Analysis and Headcount vs Cost Analysis reports, empowering data-driven decision-making.
- Demonstrated advanced analytical capabilities using Copilot, addressing complex client queries with precision and clarity.

### MIRAL – Oracle Onboarding

UAE | Jan 24 - Current

- Designed and implemented a Data Lakehouse solution leveraging the Databricks ecosystem to enhance data processing and analytics capabilities, resulting in a 70% increase in data retrieval efficiency for client-facing applications.
- Integrated 118 raw tables across three core modules: Finance, Procurement, and HR, into a unified data architecture.
- Advised the client on adopting an innovative integration approach (Oracle Fusion - BICC replacing BIP), achieving a 50% reduction in pipeline processing time.
- Led a team of 8 engineers to build 45 curated tables tailored for high-performance reporting.
- Developed 8 Power BI reports, delivering actionable insights through Financial Performance, AR/AP Reconciliation, Fixed Asset Analysis, Procurement Analysis, and HR Analysis.

### PVCFC – ERP Data Platform

Vietnam | Mar 23 – Jun 24

- Architected a robust Data Warehousing solution, achieving an 80% reduction in data processing time and enhancing data availability to T-1.
- Led a team of 06 Data Engineers to integrate data from diverse sources, including SAP ECC (Modules: SD, MM, WM, FI, CO, PP, PM), Oracle DB, MongoDB, SQL Server, and Excel files. Delivered a comprehensive solution consisting of 355 ingested source tables, 85 curated tables, 6 centralized datasets, and 18 operational and analytical reports.
- Designed and implemented an advanced ETL Framework, a Testing Framework, and a checksum program to improve data quality and enhance monitoring of jobs, job instances, and pipeline statuses.
- Implemented Data Dictionary, Data Lineage, and Data Governance solutions using Azure Purview, enabling end-users to perform self-service reporting and reducing data asset discovery time by 70%.
- Designed and deployed CI/CD solutions using Azure DevOps to automate the build and deployment processes for Synapse Pipelines and Synapse Dedicated Pools.

### VENTURES – Data Warehouse Migration

Singapore | Sep 22 – Feb 23

- Directed the implementation of a Data Lakehouse solution with a team of 4 Data Engineers, integrating SAP ECC into Databricks and migrating reporting capabilities from QlikView to Power BI. Delivered 2 centralized datasets, 18 comprehensive reports, and 60+ streamlined ETL workloads.
- Designed and deployed 20+ Azure Data Factory pipelines to efficiently process over 15 million records sourced from SAP ECC, SAP TCodes, SQL Server, and Excel.
- Re-engineered 60+ ETL workflows from Qlik VBScript, SAP TCodes, and Excel into Azure Databricks, achieving a 70% boost in productivity, an 80% reduction in processing time.

### GRAB – Tableau Migration

Singapore | Apr 21 – Sep 22

- Led a BI migration with 05 Data Engineers from Snowflake to Databricks and Tableau to Power BI, conducting gap analysis and consolidating 180+ Tableau reports into 06 centralized datasets, while migrating 300+ ETL workloads.
- Developed automated utilities for report parsing ([\*repos\*](#)), migration, and lineage ([\*repos\*](#)), reducing migration time by 30%.
- Collaborated with 12 workstreams to gather requirements, create migration strategies, and deliver 18+ Power BI training sessions.
- Re-modeled datasets to align with a centralized approach, applying OLS and RLS to enhance security and reduce reconciliation time between departments by 50%.

## SHOPEE

### Senior Business Intelligence Analyst

Singapore | Jun 20 – Apr 21

- Engineered PySpark scripts to efficiently query and analyze extensive datasets from diverse sources, including Excel, Presto, and third-party APIs.
- Designed and developed Power BI reports, dashboards, and ad-hoc queries to provide insights on 3PL reconciliation, financial performance, inventory management, cash flow forecasting, and voucher utilization.
- Partnered with Finance Controllers, HQ Finance Analysts, and local operations teams to align technical solutions with business objectives, reducing reporting time by 80%.

## ATHENA SYSTEM

### Data Analyst

Spain | Sep 18 – Jun 20

- Managed operations for five hedge funds based in Hong Kong and Singapore, with Assets Under Management (AUM) ranging from USD 150 million to USD 220 million.
- Designed, developed, and supervised automated trading reports, custodian reconciliation processes, performance reports, asset valuation, and trade compliance frameworks.
- Conducted ad-hoc performance analysis and risk assessments to meet diverse client requirements.
- Collaborated with internal teams across Madrid and Boston, as well as external clients, to resolve data-related issues efficiently.

## VIETCOMBANK – Ho Chi Minh City Branch

### Relationship Manager

Jun 17 – Sep 18

## DELOITTE

### Audit Associate

Sep 15 – Mar 17

## Certification

### Advanced Certification

- Azure Solutions Architect Expert ([\*Credential!\*](#))
- Databricks Data Engineer Professional ([\*Credential!\*](#))
- Azure Cosmos DB Developer Specialty ([\*Credential!\*](#))
- AWS Data Engineer ([\*Credential!\*](#))
- Astronomer Certification for DAG Authoring for Apache Airflow ([\*Credential!\*](#))

### Associate Certification

- Azure Data Engineer ([\*Credential!\*](#))
- Fabric Analytics Engineer ([\*Credential!\*](#))
- Azure Administrator ([\*Credential!\*](#))
- Azure Enterprise Data Analyst ([\*Credential!\*](#))

- PCAP – Certified Associate in Python Programming ([Credential](#))
- Astronomer Certification for Apache Airflow Fundamentals ([Credential](#))

## Education

**HO CHI MINH UNIVERSITY OF BANKING**

Vietnam | Sep 11 – Jun 15

Bachelor of Finance and Banking. GPA: 8.42/10

Thesis: *The factors influenced the cash holdings and the effect of trade credit to the Vietnamese's cash holdings in the period from 2010 to 2013* ([link](#))