LARRY E. ENCOMIENDA

Senior Data Engineer | Azure and AWS | Enterprise Data Platforms

Riyadh, Saudi Arabia | +63 936 225 9665 | encomienda.larry01@yahoo.com | linkedin.com/in/larry-encomienda-426554204

PROFESSIONAL PROFILE

Data and cloud engineer with approximately 11 years of progressive technical experience, advancing from reporting and analytics into enterprise data engineering, senior cloud platforms, backend development, DevOps, and AI development. Combines Microsoft Azure and AWS delivery with Python, SQL, Spark, Kafka, Snowflake, the Microsoft SQL Server ecosystem, infrastructure automation, and production support. Brings substantial financial-services experience across investment, brokerage, banking, reconciliation, secure integration, and regulated data environments, complemented by current healthcare RCM analytics and automation work.

TECHNICAL EXPERTISE

Microsoft Azure: Azure Data Explorer, Azure Functions, Logic Apps, Event Grid, Azure Data Lake Storage, Azure DevOps, event-driven processing, cloud integration

AWS: Amazon S3, Glue, Lambda, Athena, EC2, RDS, cloud provisioning, data processing, secure banking workloads

Data Engineering: Apache Spark, PySpark, Scala, Kafka, Hadoop, Apache NiFi, Snowflake, SQLMesh, ETL/ELT, streaming, data warehousing, data quality

Microsoft Data Platforms: SQL Server, T-SQL, SSIS, SSRS, Power BI, DAX, SQL Server Agent, SSISDB, stored procedures, query and index optimisation

Databases: Microsoft SQL Server, Oracle, PostgreSQL, Snowflake, schema design, dimensional modelling, migrations, performance tuning

DevOps and Infrastructure: Terraform, Azure DevOps, GitLab CI/CD, GitHub CI/CD, Jenkins, Ansible, Bash, infrastructure as code, automated testing, monitoring

Backend and AI Development: Python, Django, Java, Scala, REST APIs, backend integration, NumPy, analytics automation, ML pipeline support, AI-enabled workflow development

Additional exposure: *Azure Data Factory, Azure Databricks, Azure Synapse Analytics, Airflow, SSAS, MySQL, NoSQL, Docker, Kubernetes, JavaScript. Production depth should be confirmed for role-specific applications.*

PROFESSIONAL EXPERIENCE

Clarity Health RCM | AI Development Engineer — May 2026 - Present

HEALTHCARE REVENUE CYCLE MANAGEMENT

Professional Experience: Develops data and AI-enabled analytics solutions for healthcare revenue cycle management, integrating operational and claims information to support KPI reporting, denial-management analysis, payer-performance monitoring, accounts-receivable ageing, provider productivity, and revenue-cycle decision support. Builds data transformations, validation routines, reporting workflows, and operational automations across SIMS/SMS and Zoho Analytics initiatives, applying Python and SQL development while limiting model and framework claims to confirmed implementations.

Technology Stack: Python, SQL, Zoho Analytics, SIMS/SMS, healthcare claims and RCM datasets, KPI reporting, data integration, workflow automation

Key Project: *Healthcare revenue-cycle analytics covering claims, denials, payer performance, receivables ageing, provider productivity, and operational KPI visibility.*

Derayah Financial | Senior Data Engineer — Mar 2024 - May 2026

INVESTMENT, BROKERAGE AND CAPITAL MARKETS

Professional Experience: Engineered enterprise financial integrations and reporting data products supporting BOS, IBKR, CSM, SBL, Corporate Actions, margin reporting, brokerage portfolios, and trading reconciliation. Designed and operated ETL and ELT flows across Microsoft SQL Server, Oracle, PostgreSQL, APIs, and SFTP sources; developed advanced SQL, SSIS packages, SSRS datasets, scheduled processing, validation controls, production monitoring, and recoverable deployment practices for regulated investment operations.

Technology Stack: Microsoft SQL Server, T-SQL, SSIS, SSRS, SQL Server Agent, SSISDB, Oracle, PostgreSQL, SQLMesh, Python, APIs, SFTP, Azure, Terraform, GitHub CI/CD

Key Project: *Integrated investment and brokerage datasets into controlled pipelines and operational reporting for trading, reconciliation, corporate actions, portfolios, and margin processes.*

Wypoon Technologies B.V. | DevOps and Backend Engineer — Aug 2023 - Feb 2024

CLOUD MIGRATION, BACKEND INTEGRATION AND DATA PLATFORMS

Professional Experience: Delivered Python backend and API integrations while strengthening automated software and data-platform delivery across distributed teams. Implemented GitLab CI/CD testing and release workflows, Terraform-based infrastructure and database changes, Azure Data Lake Storage migration, PySpark and Hadoop batch processing, Kafka monitoring, data-quality controls, schema optimisation, and production troubleshooting for cloud modernisation and enterprise integration initiatives.

Technology Stack: Python, REST APIs, PySpark, Hadoop, Kafka, Azure Data Lake Storage, GitLab CI/CD, Terraform, Power BI, automated testing, monitoring

Key Project: *Cloud and data-architecture modernisation combining API integration, Azure migration, automated deployment, and controlled batch processing.*

HSBC Bank | Senior Cloud Data Engineer
Jun 2021 - Jul 2023

ENTERPRISE AND PRIVATE BANKING

Professional Experience: Built secure banking data and application platforms for high-volume transaction processing and Avaloq integration. Developed Spark and Scala pipelines, Kafka producers and consumers, Python and Django components, Elasticsearch indexing, AWS infrastructure, and automated deployment workflows; applied Terraform, Jenkins, and GitLab CI/CD to improve repeatability while supporting encryption, access control, systems integration testing, and production reliability in regulated banking environments.

Technology Stack: Apache Spark, Scala, Kafka, Python, Django, Elasticsearch, AWS S3, EC2, RDS, Terraform, Jenkins, GitLab CI/CD, DAX, data security

Key Project: *Automated delivery and infrastructure for Avaloq banking applications and supporting data integrations across AWS environments.*

ING Bank | Data Engineer
Jun 2020 - Jun 2021

TRANSACTION PROCESSING, WEALTH MANAGEMENT AND FRAUD ANALYTICS

Professional Experience: Developed Azure-based ingestion, event processing, and analytics workflows for financial transactions, Avaloq wealth-management data, and fraud-analysis use cases. Combined Azure Data Explorer, Functions, Logic Apps, Event Grid, Python, Spark, Kafka, Snowflake, and Apache NiFi to centralise and transform data, with Terraform, Ansible, Azure DevOps, GitLab CI/CD, Prometheus, and Grafana supporting automated infrastructure, secure access, monitoring, and dependable delivery.

Technology Stack: Azure Data Explorer, Azure Functions, Logic Apps, Event Grid, Azure DevOps, Python, Java, Spark, Kafka, Snowflake, Apache NiFi, Terraform, Ansible, GitLab CI/CD, Prometheus, Grafana

First Hawaiian Bank | Data Engineer
Apr 2019 - Apr 2020

BANKING DATA AND CLOUD ANALYTICS

Professional Experience: Supported banking data ingestion, transformation, warehousing, and quality controls across AWS and Snowflake. Built and maintained ETL and ELT flows with S3, Glue, Lambda, Athena, Python, SQL, Kafka, and Spark; optimised Snowflake schemas, partitioning, clustering, and queries, and applied Terraform and GitLab CI/CD to improve the consistency of cloud provisioning and application delivery.

Technology Stack: AWS S3, Glue, Lambda, Athena, Snowflake, Python, SQL, Kafka, Apache Spark, Terraform, GitLab CI/CD, REST APIs, ETL/ELT

Datamatics | Data Analyst
Aug 2018 - Feb 2019

IT SERVICE MANAGEMENT AND OPERATIONAL ANALYTICS

Professional Experience: Analysed service-request, incident, ticketing, and configuration-management data within a Microsoft client environment, translating operational activity into management reporting and process insights. Developed SQL analyses, Power BI dashboards, KPI reporting, and data-quality checks for service delivery, customer queries, ticket volumes, recurring support issues, and operational performance.

Technology Stack: SQL, Power BI, operational datasets, ITSM ticketing data, CMDB, KPI reporting, data validation, business analytics

EARLIER PROFESSIONAL EXPERIENCE

TATA Consultancy Services | System Engineer Working Student | May 2017 - Jun 2018 - Supported enterprise users, incident and request management, server backups, technical documentation, Azure Virtual Desktop assistance, connectivity troubleshooting, and data-quality practices.

Intevalue | Data Reporting Analyst Working Student | Jun 2015 - May 2016 - Produced operational and financial reports, investigated record discrepancies, scheduled reporting, maintained data quality, automated imports and exports, and executed SQL-based database maintenance.

EDUCATION AND PROFESSIONAL DEVELOPMENT

Bachelor of Science in Entrepreneurship | College of Saint John Paul II | 2014 - 2018

Data Science Programme | ReFocus Digital Academy | 2021 - 2022

Selected development: Python programming, SQL analysis, advanced query tuning, data science fundamentals, and IT service management.