Nguyen Huu Thanh

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SUMMARY

Software Engineer transitioning into Data Analytics, with hands-on experience in **SQL, data integration, and KPI reporting** for e-commerce operations.

EDUCATION

University of Information Technology (UIT) – VNU-HCM Sep 2021 – Nov 2025
Bachelor of Science in Information Systems (E-commerce) *GPA: 3.0/4.0*

PROFESSIONAL EXPERIENCE

Retoolers – Software Engineer (Automation & Reporting) Mar 2025 – Present

ThirdWave Discounts – E-commerce ERP Aug 2025 – Aug 2026
Supabase (PostgreSQL), SQL, JavaScript, Retool Workflows, eBay API.

Main developer of an ERP for a US retailer with approximately 50 staff and 47,000+ eBay listings, supporting sales, inventory, and operational reporting.

- Implemented PostgreSQL **audit triggers** that consolidate every 100 audit records into a checkpoint, controlling audit-log growth for high-volume sales and product tables.
- Built automated **ETL workflows** to extract eBay XML data, clean and transform it with JavaScript, and load it into PostgreSQL; added retries and concurrency limits to handle failures and control database load.
- Optimized **SQL reporting queries** across 1M+ product records and 200K+ sales records by rewriting CTEs/JOINs and tuning indexes, reducing execution time by **75% (20s to 5s)**. Precomputed **KPI aggregates** with triggers and cron jobs to reduce frontend calculations.

HBA Rebates Sep 2026 – Present
SQL Server, React, TypeScript, Azure Document Intelligence, OpenAI API.

- AI-powered claim extraction and rebate processing, using **SQL Server** stored procedures and transactions to ensure consistent claim approvals.

ACADEMIC PROJECTS

Stock Price Prediction Grade: 9.0/10
Python, Jupyter Notebook, XGBoost, LSTM GitHub | Report

- Collected financial data and performed **data cleaning and preprocessing** in Python for stock prediction.
- Trained XGBoost and LSTM models; compared their predictive performance.
- Documented data preparation, experiments, and results in Jupyter Notebook and a project report.

CRM Data Integration & Workflow Automation 2023
Team Leader | Node.js, REST APIs, Lark Base Automations GitHub | LarkSuite

- **Led the team**, assigning tasks and mapping business processes into a CRM data lifecycle: lead, opportunity, customer, and customer care.
- Built Node.js webhooks for **lead ingestion**; configured Lark Base Automations to send customer follow-up messages in Lark.
- Built **sales pipeline dashboards** to visualize progress and monitor customer-care activities.

TECHNICAL SKILLS

- **Languages & Frameworks:** SQL, Python, JavaScript, TypeScript, React.
- **Databases & Platforms:** PostgreSQL, SQL Server, Supabase (S3 Storage, Supabase Realtime).
- **Data & Reporting Tools:** Jupyter Notebook, Retool, Lark Base.
- **Automation:** Retool Workflows, Lark Base Automations, Make, Zapier.
- **English:** TOEIC – Listening & Reading: 770; Speaking & Writing: 260.