



TRONG NGUYEN THANH

Senior Executive, BI & Data Analytics Engineer

SUMMARY

Experienced as Senior Executive, BI & Data Analytics Engineer, with over 6+ years of experience building enterprise solutions on Microsoft Power Platform. Specialized in designing, implementing, and optimizing Power Apps, Power Automate, and Power BI solutions, integrating with enterprise systems, and leading digital transformation projects.

Specialties

- 6+ year experiences with low code Microsoft Power Platform: Power Apps, Power Automate, Power BI, Dataverse, and low code Google: Appsheet, App Script, Looker Studio.
- 3+ years experiences with Connectors & Integration: Standard, Premium Connectors (SQL Server, Dataverse, Word Online, Dynamic 365, SAP, Salesforces, Workday)
- 5+ year experiences with Data Visualization, KPI Analytics, Automated Reporting (PowerBI, Excel VPA, Python, Locker Studio)
- 1+ year experiences with UX/UI Optimization (Figma)

Industry Experience

- 5+ year experiences with FMCG domain
- 1+ year Experience with Banking domain

TECHNICAL STACKS

- Programming Languages: Python (Data Science), C, JS (HTML, CSS, etc.), SQL, R.
- Database: MySQL, SQL Server, SQL Lite, SharePoint, Databricks, Dataverse.
- Data Analytics: Power BI, Locker Studio, Grafana.
- Testing: Selenium, Postman
- IDE: Jupiter Notebook, Visual studio, Visual studio code, IntelliJ
- Architecture tools: Draw IO, Visio, PowerPoint, Figma, etc.
- Coding principle: clean architecture/clean code, follow best practices, design pattern, wireframe
- Methodology: Agile/Scrum

EDUCATION & CERTIFICATE

- Certificate Full-Stack Java Web Developer - FPT Software (2023-2024)
- Certificate Data Science – Machine Learning, VNUHCM – University of Science (2022–2023)
- Bachelor in Electricity and Telecommunication, HCMC University of Technology & Education (2015–2019)

WORKING EXPERIENCE HIGHLIGHTS

FPT Software | 08-2025 to present

Role: Senior Full Stack Power Platform Consultant (6 months) – NFL Application

Skill: PowerApps, PowerAutomate, Dataverse.

- Implemented NFL-related features on **Canvas Apps** for trigger table processing, backend **Dataverse**, including **responsive** form design, multiple-record **UI** handling, and attachment/file processing **integration** with **Azure Blob Storage**.
- Developed and maintained **Power Automate** integration flows for **entitlement payload processing** between **customers**, **Integration Core**, **connectors**, and **downstream consumers**.
- Worked in **Agile/Scrum** environments, participating in **sprint planning**, code reviews, and **continuous improvement** activities.
- Supported clients in **troubleshooting**, system **enhancement**, and post-deployment maintenance, while implementing **CI/CD pipelines** across Dev, Test, and Production environments to ensure **controlled releases** and **system stability**.

Role: Senior Power BI Developer (9 months) – Jira Dashboard

Skill: Power BI, DAX, Power Query, Jira API, SQL Server, REST API, Power Automate (Excel Script)

- Developed advanced **Power Query (M Language)** pagination logic to handle Jira **REST API** limitations by processing data in batches of 200 records per API request.
- Resolved **API throttling** and **authentication limitations** encountered during migration from Basic Authentication to Anonymous Authentication, where API requests were restricted to approximately 60 calls per hour.
- **Optimized ETL** and reporting processes by combining pagination, staged data loading, apply **incremental refresh**, and **scheduled extraction workflows** to ensure stable and efficient data refresh operations.
- Collaborated with automation teams to develop **n8n workflows** for **automated** extraction and synchronization of Jira Server data into centralized reporting databases.
- Implemented reusable Power BI **semantic models**, **DAX measures**, **KPI tracking**, and operational analytics dashboards to support executive decision-making and project governance.
- Worked closely with stakeholders across delivery, operations, QA, and management teams to **define reporting requirements**, data governance standards, and business performance metrics.
- Implemented **email-triggered automation** to download, parse, and process raw data files without manual intervention.

Dikshatek | 02-2025 to 03-2026

Role: Senior Power BI Developer (2 months) – BAMBOOHR Board

Skill: Power BI, DAX, Power Query, REST API Integration, JSON Transformation (BambooHR)

- Developed an **end-to-end** HR Dashboard using Power BI by **extracting** and **transforming** data from 5 CSV reports exported from BambooHR.
- Designed **interactive** visualizations to track key **HR metrics** such as headcount, turnover, and hiring trends.
- **Integrated** BambooHR website via **REST APIs** to **automate data pipelines** and **enable near real-time reporting**.
- Built a scalable **star schema** data model (fact and dimension tables) to optimize performance and support efficient, data-driven decision-making.

Role: Senior Data Analytic (2 months) - Global Forecast & Inventory Planning dashboard

Skill: Power BI, DAX, Power Query, SQL Server, Snowflake, Azure Data Factory, JSON Transformation

- Built cross-functional reporting solutions for **Sales, Finance, Operations, Supply Chain**, Country Managers, and Executive stakeholders across **multiple operating regions** including APAC, EMEA, LATAM, China, and India.
- Integrated and transformed data from multiple enterprise systems including **Salesforce, NetSuite, Snowflake, Azure data sources**, and manual Excel forecast files into centralized **semantic models**.
- Implemented **dynamic reporting** logic supporting Budget, 3+9, 6+6, and 9+3 forecast versions with monthly and quarterly drill-down capabilities.
- Collaborated with Data Engineering and Sales Operations teams to define **dimensional models, region mappings, financial metrics**, and **governance** standards for enterprise reporting consistency.
- Improved reporting automation and data refresh efficiency through optimized **ETL pipelines, incremental refresh** policies, and enterprise data integration best practices using **Snowflake** and **Azure-based architectures**.

Role: Senior Power Platform Developer (7 months) – Enterprise Canvas Apps Enhancement

Skill: Power Apps, Power Automate, Power BI, Power FX, SharePoint Online

- Redesigned and enhanced 3 enterprise Canvas Apps to improve usability, performance, and **85%+ mobile adoption**.
- Transformed legacy form-based solutions into **responsive**, user-friendly applications with **modern UI/UX** standards.
- Implemented advanced filtering, and streamlined navigation enabling **2.3× faster processing/reporting**.
- Automated business **workflows** and **approval processes** using **Power Automate** to reduce manual effort.
- Achieved **87% System Usability Scale (SUS)** score, reflecting high user satisfaction and adoption.

Datapot | 05-2025 to 12-2025

Role: Senior Power Platform Trainer (7 months) – Multiple Enterprise Applications

Skill: Power Apps, Power Automate, Power BI, SharePoint Online, JSON, Excel Online

- Designed and delivered **multiple Power Platform solutions across domains** including task automation, loan management, HR systems, warranty validation, and inventory management.
- Automated data **extraction, transformation, and integration** (including JSON parsing, email processing, and SharePoint data sync) to enable real-time and reliable reporting.
- Built **end-to-end business applications** with features such as request submission, **multi-level** approval workflows, and centralized data management.
- **Mentored and guided learners** in building real-world applications, covering both technical implementation and business use cases.

Role: Full Stack/ Low code Developer (3 months) – Super Sach Laundry

Skill: AppSheet, App Script, Locker Studio, Google Sheets, Web Integration, HTML/CSS, Next.js, Auth.js, SQLite

- Designed and developed an **internal business management system** for a **multi-branch** laundry service, covering order management, employee operations, expense tracking, and business reporting.
- Built Phase 1 low-code solutions using **AppSheet** and **Locker Studio** to manage laundry orders, staff attendance, payroll calculation, and operational dashboards.
- Implemented Phase 2 **full stack web applications** using **Next.js 15** and **Auth.js** v5 for scalable customer and internal portal experiences.
- Developed customer-facing **landing pages** and content posting systems to improve brand visibility and customer engagement. (supersach.store)
- Built customer **self-service features** allowing **users to track real-time order status** and access order history through **web-based solutions integrated with internal systems**.

Procter & Gamble | 02-2019 to 08-2025

Role: Power Platform Developer (4 years) – Enterprise Manufacturing Applications

Skill: Power Apps, Power Automate, Power BI, SharePoint Online, Dataverse, SQL, Databricks

- Designed and delivered multiple enterprise applications supporting **manufacturing** operations, **inventory** control, **onboarding/offboarding**, visitor management, permit management, and gate pass processes across factory environments.
- Built **responsive Canvas Apps** and **automated workflows** to digitize manual paper-based operations, improving process efficiency, audit readiness, compliance, and operational transparency.
- Implemented **end-to-end approval workflows**, **automated** notifications, **role-based access**, and **centralized reporting dashboards** for operational and management teams.
- Developed integrations with enterprise systems including **SAP, SharePoint, REST APIs, Databricks, and Dataverse** to support **real-time data synchronization** and enterprise reporting.
- Supported inventory and material management processes including **inventory** adjustment automation, **consumables** ordering, **spare parts** tracking, and **gate pass** management.
- Collaborated with cross-functional stakeholders including Operations, Security, HR, Engineering, and **Manufacturing** teams to gather requirements and deliver scalable business solutions.
- Improved **compliance and internal controls** through **automated approval tracking, audit-ready reporting**, and centralized process visibility.

Highlighted Projects:

- Inventory Adjustment Automation
- Visitor Management Application
- Construction Permit Management Solution
- Material Take In/Out – Gate Pass Management
- eStoreroom – Consumables & Spare Parts Management
- Employee Onboarding & Leaver Management Applications

Role: Full Stack Developer – Industrial Dashboard

Skill: PTC ThingWorx, JavaScript, REST APIs, SAP, SQL, SharePoint, Databricks

- Developed enterprise dashboard platforms and no-code dashboard builder solutions to centralize **KPI monitoring** and **operational** analytics across **manufacturing** departments.
- Built custom backend services and real-time integrations with **SAP, REST APIs, SharePoint, Quantum, Databricks, and SQL-based systems**.
- Delivered **integrated** dashboard solutions supporting **100+ operational KPIs** from Unit to Plant level for Daily Direction Setting (DDS) meetings and executive reporting.
- Designed **reusable dashboard components** enabling business users to create and customize dashboards independently without programming knowledge.
- Improved operational visibility and decision-making through **advanced data visualization** and centralized enterprise reporting platforms.

Role: Data Analyst / Power BI Developer – Business Intelligence

Skill: Power BI, DAX, Power Query, Databricks, SQL Server, SharePoint Online

- Developed interactive **Power BI dashboards** and **KPI analytics** solutions for **global business** performance monitoring and executive decision-making.
- Consolidated and **transformed data** from **multiple regions** and **business segments** into scalable **semantic models** and centralized reporting solutions.
- Designed **dynamic KPI tracking**, drill-down reporting, and **advanced filtering capabilities** for sales, profit, and operational analysis.
- Implemented DAX calculations, data modeling, and **Power Query transformations** to improve reporting performance and usability.

Role: Data Scientist / Machine Learning Engineer

Skill: Python, Pandas, Scikit-learn, Streamlit, NLP, Machine Learning, REST APIs, Data Visualization

- Developed **multiple AI/ML-powered analytics** applications including sentiment analysis, customer segmentation, and recommendation systems for **e-commerce** use cases.
- Built a real-time Sentiment Analysis platform by collecting and processing customer reviews from e-commerce marketplaces using **Selenium-based** web scraping and **NLP techniques** to classify feedback into positive, negative, and neutral categories.
- Designed interactive dashboards and **Streamlit** applications enabling business users to visualize customer insights, monitor feedback trends, and support product improvement decisions.
- Implemented customer segmentation solutions using **RFM** (Recency, Frequency, Monetary) analysis and **KMeans clustering** to identify high-value customer groups and optimize marketing strategies.
- Developed self-service **machine learning** applications supporting data **upload, preprocessing, visualization, and predictive segmentation** for business users.
- Built personalized E-commerce Recommendation Systems using both **Content-Based Filtering and Collaborative Filtering** approaches to improve product **recommendations** and customer engagement.
- Created evaluation frameworks to compare **recommendation algorithm performance, accuracy, and scalability across multiple recommendation models**.
- Applied data preprocessing, feature engineering, clustering, classification, and predictive analytics techniques using **Python** and **Scikit-learn** libraries.

Highlighted Projects:

- Sentiment Analysis Tool
- Customer Segmentation Tool
- E-commerce Recommender System