Quang Nguyen

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EXPERIENCE

Remote Senior Integration Engineer   Nov 2023 – Present
Lexer.io   *Remote*

- Integrated third-party systems, including Email Service Providers and marketing platforms, to optimize communication channels and streamline marketing campaigns.
- Implemented data transformation and enrichment techniques to ensure consistent and usable data across systems, enhancing decision-making and usability.
- Established and maintained a resilient integration pipeline, equipped with robust mechanisms to promptly address and resolve any issues that may arise.

Senior Software Engineer   Dec 2022 – Nov 2023
Niteco Viet Nam   *Ho Chi Minh city, Viet Nam*

- Developed an e-commerce platform that integrated with payment gateways and enabled customers to purchase products online.
- Integrated a payment gateway (Stripe) into the website, allowing for secure online payments.
- Developed and maintained a continuous integration/continuous deployment (CI/CD) pipeline that reduced time-to-deployment from days to 0 hours.

Technical Lead   Feb 2021 - Dec 2022
Turing.com   *Remote*

- Supervised a team of 6 software engineers who developed and maintained an enterprise-level web scraping application, which help the Marketing team increased productivity by 90 percentage.
- Developed and maintained ETL process to visualize business metric, send periodic reports.
- Developed and implemented a software architecture that improved system performance and scalability.
- Fostered a positive work environment that encouraged collaboration and innovation among team members/

Senior Software Engineer   Mar 2019 – Jan 2021
FPT software   *Ho Chi Minh city, Viet Nam*

- Implemented a system to track and report website traffic and user behavior on a website. It helps to understand user behavior patterns and use the data to improve the website and digital marketing efforts.
- Implement a recommendation system based on users behavior. It has increased cus- tomer's revenu to 20 percentage YoY.
- Developed a real-time streaming platform that enabled low-latency data processing.

Software Engineer   Nov 2017 – Jan 2019
Appable Viet Nam   *Ho Chi Minh city, Viet Nam*

- Collaborated with cross-functional teams to identify customer requirements and develop technical solutions.
- Integrated a payment gateway into the website, allowing for secure online payments.

Software Engineer   Aug 2013 - Aug 2016
ELCA Information Technology VietNam   *Ho Chi Minh city, Viet Nam*

- Developed a web application using Java EE technologies, including JSP, Servlets, and JDBC.
- Optimized database performance by creating and tuning stored procedures and SQL queries.
- Implemented an object-relational mapping (ORM) layer using Hibernate, allowing for easy database access and manipulation

Projects

Customer Data Platform | *Python, Django, PostgreSQL, Singer.io, Pyspark, Jupyter notebook* Nov 2023 – Present
- Integrated data from multiple parties: Integrated data from various external sources, including marketing platforms, CRM systems, and third-party providers, ensuring seamless data ingestion and maintaining data integrity.
- Transformation in Pyspark: Utilized PySpark for complex data transformations, implementing data quality checks and enrichment processes to enhance data quality and usability.

E-commerce System Project | *Python, Django, PostgreSQL, Medusajs.com, AWS CodePipeline* Dec 2022 – Nov 2023
- Integrated Stripe payment gateway: Integrated Stripe into the e-commerce system using Saleor(saleor.io), enabling secure and seamless transaction processing.
- Implemented social platform login: Developed social platform login functionality (e.g., Facebook, Google) using MedusaJS, allowing users to log in with their social media accounts.
- Enhanced order management and fulfillment: Optimized order processing using MedusaJS, implementing features such as order tracking, inventory management, and shipping integrations.

Auto Scaling Job Description Scraping Project | *Python, FastAPI, MySQL, Celery, AWS Lambda* Feb 2021 – Dec 2022
- Built auto-scalable job description scraping system: Developed a distributed web scraping solution using Python(FastAPI), Scrapy, and Docker. Implemented auto-scaling techniques for efficient and scalable scraping from public sources.
- Developed ETL process: Designed and implemented an ETL process using Python, FastAPI, and MySQL. Cleansed, transformed, and enriched scraped data for analysis and reporting.
- Uploaded data to data platform and created visualizations: Utilized Google BigQuery as the data storage and analytics platform. Developed automated data ingestion workflows with Apache Airflow. Created interactive visualizations and reports using Plotly and data visualization libraries

Website Traffic and User Behavior Tracking System | *Python, Apache Kafka, Redis* Mar 2019 – Jan 2021
- Implemented a system to track and report website traffic and user behavior.
- Developed Python scripts to process raw data, clean it, and enrich it with additional context and metadata.
- Integrated Apache Kafka to capture and ingest real-time data from the website, including page views, clicks, conversions, and other user interactions.
- Leveraged Redis as a caching layer to improve the performance of the data processing pipeline.

Technical Skills

Languages: Java, Python, SQL (Postgres, MySQL), JavaScript, HTML/CSS, Golang
Frameworks:Django, Flask, JUnit, FastAPI
Developer Tools: Git, Docker, Buildkite, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy, Pyspark

Education

John von Neumann Inst. Ho Chi Minh city, Viet Nam
Master's Degree, Information and Communications Technology *Aug. 2016 – Aug. 2018*

University of Science Ho Chi Minh city, Viet Nam
Bachelor's Degree, Computer Scienc *Aug. 2009 – May 2013*