ADAM NGUYEN

Data Engineer

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WORK EXPERIENCE

July 2023 – Present
WEB DEVELOPER,
MOBILE DEVELOPER @ APT   📍 Ho Chi Minh, Vietnam

APT Team specializes in web and mobile development as freelance professionals, delivering dynamic digital solutions customized to meet various client requirements.

- Designing web and mobile applications to meet client needs.
- Analyzing client requirements to ensure alignment with project goals.
- Developing web and mobile applications using industry-leading technologies.
- Providing ongoing support and maintenance for web and mobile applications.
- Ensuring timely delivery and adherence to project timelines.

PROJECTS:

- **Dr. HAI NGUYEN -** bshainguyen.com
- **District Youth Union -** quandoanquan5.vn
- **VIVU Ship**

AWS, Django, DRF, Flutter, PostgreSQL, Python, JavaScript, GCP

June 2022 – June 2023
AI ENGINEER,
DATA ENGINEER @ Hahalolo   📍 Ho Chi Minh, Vietnam

Hahalolo is a travel (experience) social network that integrates online travel services for people covering a wide range of areas: hotels, tours, shopping, dining venues, travel destinations, booking tickets, tour guide.

- Crawled website data using Selenium.
- Enhanced text violation detection model, increasing accuracy from 67.2% to 87.8% through refined methodologies and advanced algorithms.
- Contributed to constructing ETL pipeline for user interaction data, ensuring seamless integration and accurate representation in the central data warehouse.
- Developed a social network bot with human-like interactions.
- Contributed to enhancing friend recommendation algorithm, leveraging user behavioral patterns for more precise and relevant suggestions.
- Developed personalized recommendation system for hotels and tours, optimizing algorithms to enhance customer experience and value proposition.

Airflow, Kafka, MongoDB, Python, PyTorch, Selenium

MY OWN PROJECT

SIMPLE MINI DATA LAKEHOUSE ON LOCAL

Created a local data lakehouse for synthetic banking data using Python, Apache Spark, and associated technologies.

- Developed synthetic data using Python Faker and loaded it into MinIO.
- Utilized Dremio for cataloging, querying, and analytics of the generated data.
- Integrated Nessie Catalog and Apache Iceberg for versioning and metadata management.
- Analyzed and visualized data using Superset for enhanced insights and reporting.

Apache IceBerg, Dremio, Kafka, MinIO, Nessie Catalog, Python, Spark, Superset

Link to Github

SKILLS

Airflow
Apache Iceberg
AWS
C++
Cassandra
CI / CD
Django
Docker
Dreamio
Figma
Flutter
GCP
Hadoop
JavaScript
Kafka
Linux
Nessie Catalog
MinIO
Monitoring
MongoDB
Python
Pytorch
Spark
SQL
Superset
Tableau
TensorFlow
TypeScript
Web Development

EDUCATION

2019 – 2023

B.S. COMPUTER SCIENCE

Ho Chi Minh University of Education