Nguyen Sang Sinh

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About Me

A graduate in Computer Science from Ton Duc Thang University, with expertise in Machine Learning, Deep Learning, Data Structures, and Probability & Statistics.

Data Engineer & Backend Software Engineer in FPT Corporation since 2022.

Education

Ton Duc Thang University, Bachelor in Computer Science   Aug 2019 – Aug 2023
- **GPA:** 8.76 / 10
- **Freshman Scholarship:** 60% Tuition Coverage
- **Sophomore Scholarship:** 60% Tuition Coverage
- **Junior Scholarship:** 100% Tuition Coverage

Experience

FPT Corp, Software Engineer   CExP Project
                                                                                             Nov 2024 – now
- Integrated AI GenPowered to generate content templates for marketing in a Customer Experience Platform (CExP).
- Designed the structure and implemented features for executing marketing campaigns via Google Firebase & Firestore.
- Designed the structure and implemented features for executing marketing campaigns via FCI – Voice Bot.

FPT Corp, Software Engineer   Camera Project
                                                                                             Jan 2024 – Nov 2024
- Designed and implemented a REST API using Java and Quarkus for the Camera Management Project.
- Streamed real-time video via HTTP/HTTPS, managing camera information and configuration via the API.
- Integrated camera configuration data with a machine learning model for real-time object prediction.
- Optimized the data using for page dashboard, reducing processing time by 90%.
- Implemented a feature to expose credentials for third-party integration using Kong Gateway.

FTEL, Data & Software Engineer   May 2022 – Dec 2023
- Developed a REST API using Scala and Play Framework to retrieve data from the logs infrastructure.
- Designed and implemented a REST API using Python and FastAPI, enabling MLOps functionalities.
- Maintained a 99.5% uptime for the data pipeline, streaming and parsing telecom infrastructure logs from the Passive Optical Network (PON).
- Designed and implemented a real-time data pipeline to process and predict error types in structured telecom logs from the Optical Line Terminal (OLT).
- Built and maintained data pipelines using Apache Airflow and Spark Jobs with Metorikku.

Technologies

Languages: Java, Scala, Go, Python

Frameworks: Java Quarkus, Play Scala 3, Apache Kafka, Apache Spark, Redis, Hibernate ORM, Slick ORM

Certifications

Scala

- Functional Programming Principles in Scala - EPFL Coursera ⬈
- Functional Program Design in Scala - EPFL Coursera ⬈

Java

- Master Microservices with Spring Boot and Spring Cloud - Udemy ⬈

Google Cloud

- Google Cloud Fundamentals: Core Infrastructure ⬈
- Developing a Google SRE Culture ⬈
- Reliable Google Cloud Infrastructure: Design and Process ⬈
- The Arcade Certification Zone August 2024 ⬈