TRAN Huu Hoang

Software Engineer

More than 2 years of experience as a Full-stack Software Engineer. Passionate about solving challenges and exploring new technologies. Looking for an opportunity to work as a Software Engineer in a challenging and highly technical environment in Singapore.

✉ thhoang1111999@gmail.com   📱 +65 91212405

in linkedin.com/in/huu-hoang-tran-felix-b00a56176   ⚙ github.com/TranHuuHoang

WORK EXPERIENCE

Software Engineer II - Full time
Bank of America Merrill Lynch

07/2021 - Present

Achievements/Tasks

- Develop and maintain web applications for trading systems: Implement robust and scalable features; build microservices + APIs. The projects fully automate the post-trading validation process.
- Work on all web application stacks: frontend, backend and database.
- Implement data storage + pipelines, post-trading validation algorithms, and reporting tools for the bank's post-trading systems.
- Take part in many projects planning, design and decision making.
- Assist the hiring/onboarding process: conduct interviews, mentor the company's hackathon candidates, and train new joiners/interns.
- Tech stack: **Python, Flask, React, Git, SQL, AMPS, Jenkins.**

Software Engineer Intern
Bank of America Merrill Lynch

06/2020 - 08/2020

Achievements/Tasks

- Backend development with **Scala** and **AMPS** (Advanced Message Processing System).
- Implement new features and tests for the trading systems' security requirements. One achievement is to fix the validation and logging logic of a data processing stream, which helps spot and report multiple errors on time.
- Continuous Integration/Delivery: build **.yaml** files, deploy and test with **Jenkins** and **Ansible**.

Software Engineer Intern - Web development
Infineon Technologies

08/2019 - 12/2019

Achievements/Tasks

- Build a web application with **Java Spring Boot** and **HTML/CSS/Javascript**.
- Implement a data stream pipeline to fetch and process data from security cameras and display real-time on the website, with **Python** and **MySQL.**

Junior Data Scientist Intern
Glints

05/2019 - 08/2019

Achievements/Tasks

- Improve performance of data processing for the company's AI recommendation engine with **Python** multithreaded programming.
- Data mining and visualization to investigate the link between skillsets and job titles. Improve the company's job recommendation based on findings.
- Build data maintenance services for **PostgreSQL** using **Docker** and **AWS**.

EDUCATION

Bachelor's Degree in Computer Science
Nanyang Technological University, Singapore

08/2017 - 06/2021

CGPA: 4.65/5

- **Graduated with Honors (Highest Distinction)**
- With an elective focus in **Data Science and Analytics**
- And an elective focus in **Networking and Mobility**

SKILLS

`Python` `Javascript` `React` `Java` `GO lang` `SQL` `Full-stack development` `Docker` `Git` `AWS` `CI/CD` `Hadoop` `Flask` `Spring Boot` `NodeJS` `Redux` `Linux` `MySQL` `PostgreSQL` `MongoDB`

ACADEMIC PROJECTS

Final Year Project (Nanyang Technological University) (08/2020 - 05/2021)

- Build the web application for the Project Selection System used by all final-year students and teachers/mentors.
- Implement Project Selection algorithms, build data management UI and enhance the automation feature of the web.
- Tech stack: **PHP**, **HTML/CSS/Javascript**, **MariaDB**.

Sentiment Analysis for Restaurant Reviews (Nanyang Technological University) (08/2018 - 05/2019)

- Extract a set of 300,000 restaurant reviews and build a **LSTM** model (with **Python**) to predict the sentiment, given any review.
- The model is integrated to a website which is used by all students to give reviews to the university's food courts.
- The LSTM model achieved 80% prediction accuracy.

CERTIFICATES

Programming with Google Go - Coursera (04/2023 - Present)

Front-End Web Development with React - Coursera (06/2020 - Present)

Server-side Development with NodeJS, Express and MongoDB - Coursera (05/2020 - Present)

VOLUNTEERS

Institution of Engineers, Singapore (IES) (06/2018 - 06/2019)
Main Adjudicator at Engineering Fest 2019

The Vietnamese Community in NTU (VNNTU) (06/2017 - 06/2018)
Head of Tet Celebration event 2018 for VNNTU

LANGUAGES

English
Full Professional Proficiency

Vietnamese
Native or Bilingual Proficiency