CONG TRANG TRUONG(ETHAN)

Kissimmee, Florida 34758

# SOFWARE ENGINEER(JAVA)

Expert software engineer, and database engineer with more than 10 years of professional experience in the Information Technology sector by developing, maintaining, deploying updating, testing, and providing technical/solution approaches, to resolve issues. Continuously maximize performance and functionality by identifying and recommending necessary improvements.

* Software Implementation ● Design Patterns ● Web Services ● Microservices ● Object Oriented Programming ● Java Programming ● Concurrency & Multithreading ● Data Structures & Collections ●

Dependency Injection ● JVM & Memory Management ● Data Structures & Algorithms ● Big Data Technologies

* Machine Learning & AI ● Database Administration ● Database Developer ● Performance Tuning

**Programming Languages:** Java, .Net, Python

**Web Application Frameworks:** Spring Framework, Spring Boot, Spring Cloud, Spring Security, Hibernate, Node.js

**Web Frontend:** HTML5, CSS3, JavaScript, jQuery, Express.js

**Web Servers:** NGINX, Apache Tomcat, IIS

**Web Services:** Restful, SOAP Webservice

**Databases:** Oracle, MS SQL, MySQL, PostgreSQL, MongoDB, Cassandra

**Design Patterns:** Factory Method, Abstract Factory, Singleton, Builder, Decorator, Adapter, Facade, Proxy, Command, Observer, Strategy, Template Method

**Distributed Caching Systems:** Redis **Message Brokers:** Apache Kafka **Operating Systems:** Linux, Window

**Tools:** Apache Maven, Jenkins, Docker, Kubernetes, Bitbucket, Git, SVN, TFS

**Cloud Services:** AWS, Microsoft Azure, GCP

**Big Data:** Hadoop Eco (Hive, HBase, Sqoop, Flume, Oozie, Presto, Spark), Elastic Search& Kibana, Grafana

**Machine Learning:** TensorFlow, Keras

**SDLC:** Agile, Waterfall

# PROFESSIONAL EXPERIENCE

## Walmart, Bentonville, AR, USA 08/2022- Current

American multinational retail corporation

**Sr. Java Developer**

**Project Description:**

Order Well is a central repository for near real-time picks and order distribution for store demand across multiple networks. Providing better customer service through visibility, to the priority of individual store quantity needs, to the warehouse. Enabling more intelligent allocation based on current product warehouse availability while simultaneously modernizing the delivery and retrieval of DC to store orders. Responsible for Order Well product at Walmart.

* Developing product features and maintaining, and enhancing
* Setting up the new environments for the development and testing teams on-premises and on the Cloud.
* Deploy the app to production and on-call application support for the production environment.
* Review code
* Training new members and mentoring junior members

**Technologies Used:** Core Java, Spring Boot, Spring Cloud, Micro Services, Kafka, Airflow, Scala, Spark, Python, Cassandra, Oracle, DB2, GCP, Azure, Kubernetes, Git, CI/CD pipeline, Jfog

## Aperia Solutions Dallas, TX, USA 01/2022- 07/2022

Finance, banking, and the payments industry.

## Sr Software Engineer:

**Project Description:** Develop and maintain Merchant products for Fiserv Responsible for consulting on CRM features to Aperia’s Client.

* Analysis requirement with PO and collaborate with Client’s Solution Architect, and Technical Lead to

discuss/provide technical and solution approach.

* Design microservice & micro DB for global feature
* Integration system
* Transfer approved approach to the offshore team, review design
* Review Code and release Package
* Collaborate with Client to resolve PROD issues, support deployment at the Client site
* Data migration
* Performance tuning

**Technologies Used:** MicroService, Rest API, MS SQL, Git, BitBucket

## PAL TECH, Ho Chi Minh City, Vietnam 2020-2021

IT company providing scalable, economical software platforms for SMEs both locally and overseas.

## Software Engineer

Responsible for designing, testing, planning, implementing, operating, managing, and maintaining the company's Microservice / Databases

Ensure availability and performance of the Microservice & Databases. Proactively monitor the database systems to ensure minimum downtime. Work with the System Administration team to ensure the database environment is sufficiently tuned.

* Develop Rest API for Microservice approach.
* Collaborated with Application Developers/QA team & database team in Singapore to develop new features, fix bugs, and deploy.
* Increased database server performance by reducing bad queries
* Provide guidance and support to Application Developers/ Infrastructure team/ QA team to understand customer requirements.
* Verified and tuned all changes to databases like stored procedures, functions, and triggers.
* Planned and developed data migration based on client needs

***TechnologiesUsed:*** *Java, Spring Boot, Rest API, Maven, MySQL, Elasticsearch & Kibana, Docker, Kubernetes AWS, SVN, Git, Windows, Linux*

## MIZUHO BANK, Ho Chi Minh City, Vietnam 02/2014 - 08/2020

Branch of Japanese Megabank.

## Senior Software Engineer / Database Engineer

Produced code based on specifications through all phases of software development and implementation

* Led troubleshooting, debugging, and testing of programs and systems
* Contributed to the development of organizational flow software enabling teams
* Implemented a new local system for global core banking
* Improved services by developing 2 major projects for salary payment, Supply Chain Finance
* Design and develop database, implement store procedure, functions, queries, performance tuning
* Data transformation and migration: Customer information, Loan transactions
* Provide DB Solution (HA), Azure DB service (Reporting project, DB migration Project)
* Implementing a microservice approach.

***Technologies Used:*** *Java, Spring boot, Maven, RESTful Web service, SOAP web service, MSSQL, Oracle, Git, SVN, TFS, Docker, Elasticsearch & Kibana*

## TMA SOLUTION, Ho Chi Minh City, Vietnam 02/2012 - 02/2014

Software outsourcing company for foreign markets such as the USA, Europe, and Japan.

## Senior Software Engineer

Managed software applications for major US-based client Shoretel.

* Investigated and reproduced bugs reported by users worldwide. Discussed and reviewed both issues and resolutions with US technical team.
* Implemented solution and documented thoroughly prior to delivery.

***Technologies Used:*** *Java, .NET, C++, jQuery, SQLite, MSSQL, MySQL*

## FPT INFORMATION SYSTEM, Ho Chi Minh City, Vietnam  08/2009 - 01/2012

Software development consultancy company.

## Senior Developer / Application Engineer

Led a technical team to implement and enhance an e-government system for Vietnamese provinces.

* Gathered and analyzed requirements, converted into technical specifications.
* Developed new features and functionalities to integrate into system.
* Trained team members, guiding improvement of technical skills. Trained end-users in software.
* Set up server, and configured and customized system.

***Technologies Used:*** *Java, Hibernate, C#, ASP .NET, JavaScript, MS SQL, PostgreSQL, Crystal Reports, DevExpress, Visual Studio, Tomcat, MyEclipse*

# ACADEMIC PROJECTS

**Movie Recommendation System, MIU (2021):** Applied Machine Learning techniques (demographics, content-based, and collaborative filtering) to build a movie recommender in a team of 6. Sends data through REST API.

***Technologies Used:*** *Python, TensorFlow, Docker, Flash, Redis, MongoDB, React*

**COVID-19 Data Stream, MIU (2021):** Applied Big Data technologies to retrieve and visualize COVID-19 data from API data source.

***Technologies Used:*** *Python, Kafka, Spark, Hive, HBase*

**Online Shopping System (MIU, 2021):** Developed REST API application in Java, with micro-services architecture capable of managing inventory, customer registration and e-commerce ordering.

**Technologies Used:** Java, Spring Boot, Hibernate, MySQL, Nginx, Git, Maven, Docker

# EDUCATION

## Master of Science in Computer Science (2022)

Maharishi International University

**Bachelor of Science in Information Technology** (2009) Van Lang University – Vietnam

# PROFESSIONAL DEVELOPMENT

Accelerated Certificate – Oracle 12c Admin, Install & Upgrade Python 3 Bootcamp

Python A-Z for Data Science

R Programming A-Z for Data Science Power BI A-Z for Data Science

Data Warehousing with SQL Server 2012 AWS RDS for DBA

MS Azure Beginner's Guide & AZ900 Preparation Python for Data Science & Machine Learning Bootcamp Ultimate Hands-On Hadoop: Tame your Big Data Ultimate AWS Certified Developer Associate 2021