

Introduction: Hello! Greetings! I'm Anabelle Chan, a dedicated and versatile Full-Stack Software Engineer based in Singapore. With a passion for crafting efficient and scalable solutions, I bring over 1.5 years of experience to the field of software development. My journey involves a diverse set of skills, from back-end development using Python and Django to front-end design with technologies like React.js and Vue.js.

In my current role at ST Engineering, I've been at the forefront of innovation, leading the development of a private virtual assistant that leverages cutting-edge technologies, including LangChain, HuggingFace Large Language Models, PostgreSQL's pgVector, and Qdrant vector database. This project stands testament to my commitment to enhancing program efficiency, transforming user query response times from 80s to as low as 3s.

Throughout my career, I've had the privilege of contributing to a wide range of projects, from constructing Asset Management and Task Management Systems to developing a Vehicle Routing System and implementing solutions for bulk record ingestion and fuzzy query capabilities. My proficiency extends beyond programming languages, encompassing project management tools like Jira, collaboration platforms such as Confluence, and an adept use of English and Mandarin for effective communication.

In addition to my professional endeavors, I hold a degree in Mechanical Engineering with a focus on Smart Manufacturing and Digital Factory from Nanyang Technological University. My academic journey has been enriched by hands-on experiences, including a Final Year Project that delved into the integration of Smart Contracts and Blockchain Technologies in logistics and supply chains.

Outside the world of code, I'm a certified Full-Stack Web Developer, an enthusiast for secure software development practices, and someone who finds joy in diverse interests – from cooking and coffee-making to weightlifting, yoga, reading, and traveling.

This resume provides a snapshot of my technical prowess, project contributions, and diverse skill set. I'm excited about the opportunity to share more about my experiences and discuss how my skills align with your requirements.

Resume:

Name: Anabelle Chan

Email: anabellechanwy@gmail.com

Phone: (65) 96640002

Location: Singapore

LinkedIn: www.linkedin.com/in/anabelle-chan

GitHub: <https://github.com/anabellechan>

SKILLS

Proficient in these Languages, Frameworks, Tools and Databases:

- Django
- Java
- Python
- C++
- Spring Boot
- Langchain
- Node.js
- React.js
- Vue.js
- JavaScript
- HTML
- Cascading Style Sheets (CSS)
- MySQL
- PostgreSQL
- PgVector (PostgreSQL)

- QDrant
- Jira (Project Management, Issue Tracking)
- Confluence (Collaboration and Documentation)
- Proficient in English, Mandarin
- Adept in Microsoft Word, Powerpoint, Excel

WORK EXPERIENCE

ST ENGINEERING

Jun. 2022 – Present

Full-Stack Software Engineer

Singapore

- Developed a private virtual assistant using Python, LangChain, HuggingFace Large Language Models, PostgreSQL's pgVector, and Qdrant vector database. Improved user query response times from 80s to as low as 3s.
- Designed and implemented an end-to-end solution for bulk record ingestion, fuzzy query capabilities, and CSV export using Vue.js, Django, and PostgreSQL database.
- Contributed to the development of a Vehicle Routing System with Python, Spring Boot, React, PostGIS, and PostgreSQL. Migrated 6.8 million geo-spatial CSV data and engineered trip-mapping features.
- Constructed an Asset Management System using Java, Spring Boot, React, and PostgreSQL.
- Built a Task Management System with Docker and MERN Stack- MySQL, Express.js, React, Node.js.
- Designed front-end web applications, conducted testing, addressed bugs, and implemented clients' feedback on features.

TRANSFORMA ROBOTICS

Oct 2020 – Jan 2021

Engineering Intern

Singapore

Aural-Aid

Aug 2020 – Oct 2020

Product Development Engineering Intern

Singapore

Afogreen Build

Jun, 2018 – Jun, 2019

Environmental Sustainability Design Engineer

Singapore

China University of Science and Technology

Mar, 2017 – May 2017

Engineering Intern

Singapore

EDUCATION

Nanyang Technological University

July 2022

Degree in Mechanical Engineering, Smart Manufacturing and Digital Factory

Singapore

- Final Year Project: Integration of Smart Contracts and Blockchain Technologies in logistics and supply chains. Technologies used: JavaScript, Hyperledger Fabric, IBM Blockchain Platform.
- Machine Intelligence, Product Analysis Project
- Data Science and Artificial Intelligence, Aviation Accidents Data Analysis Project

CERTIFICATIONS, INTERESTS

Certifications:

- Certified in NUS Secure Software Development Lifecycle for Agile
- MSS Software Track Full-Stack Web Development Course

Interests:

- Cooking
- Coffee-making
- Weightlifting
- Yoga
- Reading
- Traveling