

Choon Wei Tong

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Detail-oriented and adaptable Software Developer with strong foundations in Java, Spring Boot, SQL, and web development frameworks. Experienced in enhancing government licensing systems, fixing production bugs, and streamlining workflows. Passionate about creating efficient, maintainable code and continuously learning new technologies. Seeking a software engineering role where I can contribute to impactful projects and further develop my skills.

Technical Profile

Languages: Java, Mendix, Python, C, C++, JavaScript, SQL, Ruby, PHP, Astra, Vega-lite

Frameworks: React.js, Node.js, Spring Boot, JUnit, Tensorflow, Keras

Technologies: Git, Linux, GraphQL, Docker

Education

University College Dublin

Sept. 2018 – May 2022

BSc (Hons) Computer Science [First Class Honors] - Final GPA: 3.73/4.2

Work Experience

CrimsonLogic Pte Ltd.

July 2022 - Current

Software Developer

- Quickly mastered an internal SQL dynamic form engine, delivering key service requests on time.
- Created and consumed RESTful APIs hosted on APEX cloud within a Spring Boot project, integrating external services into the licensing platform.
- Developed batch jobs for automated task execution and supported the QA team with rapid bug fixes.
- Resolved high-priority production issues, applying creative problem-solving to overcome complex technical challenges.
- Built precise data extraction scripts for a large-scale migration project, ensuring accurate mapping and data transfer.
- Developed a proof of concept in Mendix with minimal prior experience; earned Mendix Intermediate Certification and delivered multiple MVPs tailored to client needs.
- Contributed flexibly across low-code (Mendix) and high-code (Java, Spring Boot) projects, adapting to shifting priorities and aggressive timelines.
- Supported end-to-end development—from system design and coding to testing, deployment, and post-launch support—collaborating closely with cross-functional teams.

Projects

Deep Learning for Resource Allocation in Edge Computing | Java, Python, Kafka

October 2021

- Streamed data between Java and Python simulators using Kafka in order to run a Deep Learning algorithm which will predict the best resource to allocate a task to.
- Individual project
- Wrote a 40-page thesis based on the research regarding the topic and the results obtained from running simulations.

Comic-Maker | Java, HTML, CSS

August 2021

- Application logic developed in Java and GUI is developed with JavaFX toolkit.
- Allows comics to be exported as HTML files or GIFs

E-Commerce Store | Spring Boot, Bulma, Stripe, PostgreSQL, GitLab

March 2021

- Spring Boot MVC framework with a web payment system implemented with Stripe
- Designed and implemented a modular, extendable, and easily maintainable architecture for the overall system.
- Project is completed in a group of 4.

Skills and Competencies

Core Competencies

Software Engineering: Application development, bug fixing, workflow optimization, Agile methodology

Data Analysis & Visualization: Python, Jupyter Notebook, Tableau, TensorFlow, Keras, Vega-lite

Creative Tools: Adobe Photoshop, Adobe Premiere Pro, OBS, Streamlabs

Microsoft Office: Word, Excel, PowerPoint, VBA

Soft Skills

Teamwork: Experienced in agile team environments and collaborative development.

Communication: Clear, proactive communicator in team and project settings.

Time Management: Prioritizes tasks effectively to meet deadlines without compromising quality.

Initiative: Regularly engage in side projects such as web design with React, LLMs, game development and competitive programming (e.g., CodeForces).

Scholarships

University College Dublin

- UCD Partial Scholarship (Total of €36000)

References

Available on request.