Cyrus Nguyen

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TECHNOLOGY SKILLS

Programming languages: Python, C#, Java, JavaScript, SQL

Tools: Visual Studio Code, IntelliJ, Jira, Git, GitHub, MS Office, Jupyter Notebook, Amazon Web Services

Libraries and Frameworks: AngularJS, ReactJS, Flask, NodeJS, .NET, SQLAlchemy, MySQL, MongoDB, Selenium

PROFESSIONAL EXPERIENCE

Software Engineer, *FNZ* – Brisbane City, QLD   June 2024 – Present

- Design, develop, and maintain enterprise applications using Java, Spring, GWT, XML, and SQL, ensuring performance, reliability, and timely delivery.
- Skilled in defect analysis, troubleshooting, and collaborating on scalable solutions; ensure code quality via automated testing and CI/CD practices.
- Work effectively in Agile teams alongside developers, testers, BAs, and PMs to deliver high-impact solutions.

Software Developer R&D Intern, *BlackbookAI* – Brisbane City, QLD   March 2024 – May 2024

- Built customised business applications and automation solutions using *C#, PowerApps* to meet international client standards.
- Collaborated with cross-functional teams and developed innovative solutions using new technologies.

Software Engineer Intern, *Robus Lighting* – Capalaba, QLD   July 2022 – May 2023

- Led a team of 4 to automate the process of identifying and quantifying lighting installations on a site by developing a responsive website using *Angular, Typescript, Docker*, *Amazon Web Services* and *NodeJS*, reducing manual effort by 80%.

PERSONAL/UNIVERSITY PROJECTS

Full-Stack Communication Platform   (*C# ASP.NET, Angular*)

- Developed a dynamic Chat app using *Angular 16, .NET Core 7, PostgreSQL* featuring real time-messages, profile management, user authentication, photo upload, friend requests and advanced administration features.

Full-Stack Movie Searching Website   (*React, Node*)

- Developed a responsive and dynamic website using *React*, with the ability to search for movies and relevant details.
- Implemented *Node, Express, Knex* and *MySQL* to efficiently manage movie data through *Restful API*.

Gold Price prediction (*Python*)

- Developed Python scripts to scrape gold price data from a website and utilise it for two time series forecasting models (*Arima* and *LSTM)* with 81% accuracy. Deployed models on **Heroku** using *Streamlit* for easy access and visualization.

Maze Generator & Solver Application(*Java*)

- Implemented dynamic programming algorithms to generate mazes with multiple solutions, optimize the maze solving process. The utilisation of *Java Swing* to deliver a user-friendly GUI and *MariaDB* to store databases.

CERTIFICATES

Applied Data Science Certificate - VNUHCM (Vietnamese University of Science)

Python Programming - VNUHCM (Vietnamese University of Science)

EDUCATION

Queensland University of Technology – Brisbane, QLD   February 2019 – June 2023

Major: **Bachelor of Information Technology (Computer Science)**   GPA: **5.9**

Relevant Coursework: Software Development, Data Structure, Algorithms and Complexity, Web Computing, Machine Learning