

Chelsea Ng

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Jakarta, Indonesia

Education

BINUS University - Jakarta, Indonesia Jul 2022 - Present
Bachelor Degree in Computer Science cGPA: 3.68
Related Coursework: Algorithm & Programming, Data Structure, Database, Software Engineering.

Work Experience

Dattabot - Contract May 2024 - Oct 2024
Data Research Intern

Contributed to research projects utilizing Neo4j technology to develop and implement traceability recording systems in palm oil plantations. This initiative focused on meeting export requirements while effectively managing and analyzing millions of data points.

- Developed and tested Proof of Concepts (POCs), resulting in a **75% improvement in execution performance** during User Acceptance Testing (UAT).
- Developed a graph-based transaction ledger and conducted research on algorithms for industry-specific needs.

Tech Stack: Python, Neo4J

IT Division Bina Nusantara - Contract March 2023 - Feb 2024
Software Engineer

Contributed to Devbees, a platform dedicated to internal knowledge documentation, encompassing the technology stack and system design. I developed the primary feature that facilitates cross-division collaboration by simplifying the process for users to request access permissions to resources from other divisions within the platform.

- Collaborated with cross-functional teams to implement business logic.
- Developed unit and integration test scripts with **80-90% coverage**.
- Developed permission request mechanisms that **increased cross-functional teams' productivity by 80%**, reducing request time from 3-5 working days to just 1 day.

Tech Stack: .NET, Flutter, Azure DevOps, MsSQL

Organizations

BINUS Computer Club Oct 2023 - Oct 2024
Learning and Training Staff

- Developed a learning module for Flutter mobile development with Firebase which **increased division revenue by 20%**.

Flutter Mobile Development Speaker May 2024 - June 2024

- Selected as Speaker at Flutter Mobile Development bootcamp
- Taught over **100+ participants** and evaluated participants' projects.

Tech Stack: Flutter, GIT

Java Development Teacher Dec 2023 - May 2024

- Conducted 13 sessions on OOP principles, including Abstraction, Encapsulation, Inheritance, and Polymorphism. Provided guidance in the development of a GUI application and evaluated student projects.
- **Awarded Best Mentor** among 30 mentors.

Tech Stack: Java, MySQL, GIT

Projects

GRAB AI. Destination Explorer - HackJakarta 2024 | [APP](#) | [AI](#)

AI Destination Explorer is a generative AI-powered ride-hailing application that generates personalized recommendations based on user-provided descriptions.

- Top 5 at HackJakarta in the Digital Empowerment Track, competing against more than 260 teams.
- Developed a Generative AI system utilized OpenAI API.

Tech Stack: Python, Flutter, OpenAI API, Google Map API

Libeery App - Software Engineering Project | [Project Link](#): [API](#) | [APP](#)

Libeery is a mobile app designed to simplify the process for students to efficiently reserve library sessions.

- Served as both Scrum Master and Developer.
- Designed and implemented the app's main functionalities, contributing to both back-end and front-end development.

Tech Stack: Golang, Flutter, GIT, Azure DevOps

Preform Mobile App - Imagine Cup Microsoft Competition 2024 | [Project Link](#)

Preform is an advanced AI-powered mobile app, designed to enhance your job search and interview preparation.

- Led the development team and contributed as a developer.
- Developed core features for AI interviewers using Deep Fake technology.
- Implemented speech recognition using the OpenAI API.
- Built the user interface using Flutter.
- Deployed the AI Flask API on Azure DevOps.

Tech Stack: Python, Flutter, GIT, Jira, OpenAI API, Azure DevOps