

William

+62-821-1241-1431 | williamong1400@gmail.com | <https://github.com/William9923> | <https://www.linkedin.com/in/williamong9923/>

EDUCATION

Bandung Institute of Technology (Institut Teknologi Bandung)

Aug 2018 - July 2022

Bachelor of Science in Computer Science

GPA: 3.95 / 4.0

EXPERIENCE

Software Engineer

Shopee (Payment Processing)

Aug 2022 - present

- Working as Backend Software engineer in the Payment Processing team to help develop & maintain payment related processes in Shopee.

Software Engineer (Intern)

Tokopedia (Fintech Team)

Aug 2021 - Feb 2022

- Add blocking user capabilities and product configuration menus on existing internal systems to support Tokopedia to Dhanapala's source of truth migration.
- Improve current file uploading system to validate and process files concurrently in Go.
- Build a scheduler that automatically generates a weekly report for each bank partner using Go.
- Improve monitoring on notification service and cron job (scheduler) to alert the team when the system is down using Datadog.

Backend Web Developer (Intern)

Xtremax

May 2020 - Aug 2020

- Modernize existing website integration testing using Selenium for PAC (Press Accreditation Card) website and help refactor existing code to enable unit testing.
- Develop an archival system in the website database to archive registration form information using ASP.NET.

VOLUNTEER

Head Division of Datavidia

Arkavidia

July 2020 - April 2021

- Act as the head division on Datavidia, one of the data science competitions held by ITB during Arkavidia.
- Communicate with other head divisions to ensure the Arkavidia event.

PROJECTS

AskReddit Video Maker Bot | TUI (Python, Playwright) | Open-source

- Contributed as one of helpers to open source projects that automate the process of creating short clips that have been popular on Tiktok and YT Shorts using a Reddit thread as the main content.
- Develop background configuration for changing position of image in background and progress bars to show download progress during background download resources.

Mini Marketplace API | Web Application (Go, Redis, Mysql, Docker)

- Setting up the whole server module of a simple mini marketplace (e-commerce like) API using Go.
- Support features like user authentication, browsing & searching products, reviewing products for more than 50.000.000 products and 2000 users while maintaining a high response time (< 300ms) using proper optimization.

Fitness Apps | Mobile Application (Android SDK, Kotlin)

- Track & record your jogging & cycling workout, such as which route you take and your workout duration.
- Also able to view sports news and remind users of their workout schedule.

ACHIEVEMENT

3rd rank, National Gemastik Data Mining Competition (Oct 2019)

- Build a deep learning model to separate different types of waste based on how they were processed using their image with Convolution Neural Network (CNN).

Top 15, National Data Science Competition Shopee (Nov 2020).

- Completing the challenge of building payment matching using fuzzy search and using apriori algorithm to calculate market basket confidence.

Familiar Technologies and Languages

Go, Python, Node Js (Express), SQL, HTML, CSS, Javascript (React), Git, Redis, Kafka & NSQ (Message Queue), Graylog, Datadog, MySQL, PostgreSQL, MongoDB, Jenkins