

HANSA HALIM

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EDUCATION

University of Waterloo

Honours Bachelors of Mathematics, Statistics

Waterloo, Canada

Sep 2017 – Expected Apr 2022

- President of the Indonesian Students' Association (Fall 2018)
- Courses: Object-Oriented Software Development, Algorithms, Data Structures, Databases, Machine Learning

WORK EXPERIENCE

Tauria

Junior Software Developer - Node, Express, React, D3, TypeScript, PostgreSQL

Waterloo, Canada

April 2020 - August 2020

- Independently built an automated email micro-service to onboard all new users, projected at 80,000+ users.
- Developed fast and responsive marketing website from scratch, increasing new user traffic by 500%.
- Implemented 2 highly secure HIPAA-certified token verification modules with multiple hashing & validations.
- Built data visualization platform to display metrics on company growth, platform usage, user signups and more.
- "One of the best student developers we have had on the team" - CEO of Tauria, Jesse David Thé ([Link](#))

Tokopedia

Software Engineer Intern, Fintech - Golang, MySQL

Jakarta, Indonesia

May 2019 - August 2019

- Top 1% applicant to intern at Indonesia's largest e-commerce tech startup valued at \$7 billion backed by Alibaba.
- Developed dynamic data processing for credit card products, increasing deployment speed by over 200%.
- Optimized data processing for insurance by improving SQL queries which leads to 1000x faster processing.
- Streamlined insurance policy requests by automating query transactions.
- Implemented various backend REST APIs, client-side applications and perform unit and integration testing.

COMPETITIONS AND PERSONAL PROJECTS

Fluent

fluent.id - React, Next.js, PeerJS, WebRTC

June 2019 - October 2019

- Designed and implemented an anonymous platform connecting users to practice English via peer-to-peer-voice calls, reaching 70+ users during launch with 6 reporting significant language improvement.
- Researched and developed peer-to-peer internet calling using WebRTC and PeerJS.
- Built text translation in real-time using Google Translate API.

StarterHacks: Real Time Mobile Queueing System

[Devpost Link](#) - Firebase, Java, Android Studio, DragonBoard

January 2019

- Built a virtual queuing system for users to line up for a service without being physically present.
- Won 1st place in Internet of Things award from more than 200 teams and over 1000 participants.

Hack The North: Apartment Social Network

[Devpost Link](#) - React, Node, Express, Firebase, Android Studio

September 2019

- Designed and built an anonymous social network for users living in same apartment buildings to chat, ask for help, borrow items, and grow together.
- Implemented group messaging and announcement posts in a responsive Android app.

MakeHarvard: OpenApp

[Devpost Link](#) - Golang, React, Google Cloud Platform

February 2020

- Designed and built a unified access system to replace all physical cards into a single app.

SKILLS

Languages C, C++, Python, JavaScript, TypeScript, Go, R, SQL, HTML, CSS, Bash

Technologies Node, Express, React, REST, Docker, jQuery, MySQL, PostgreSQL, Git, Linux/UNIX, NumPy, Pandas