Girvin Junod

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Notable Experiences

Software Engineer Intern — May 2023 - August 2023
Bank OCBC NISP
- Worked in a team of five to build a digital wallet application using Go, React, and PostgreSQL for mobile web.
- Implemented responsive design principles to create the UI/UX for the digital wallet application.
- Responsible for developing the entire transaction system for the digital wallet application.

Software Engineer Intern — June 2022 - September 2022
PT DAnS Multi Pro
- Developed multiple APIs for various enterprise web applications using Node.js, MySQL, Redis, and RabbitMQ.

Backend Engineer (Part-time) — December 2021 - July 2022
Kenangan.com
- Responsible for the backend development of the company's web application and mobile application
- Developed a payment gateway to handle user transactions such as payments and disbursements.
- Implemented push notification functionalities using Firebase Cloud Messaging for various events.

Computational Science and Engineering Laboratory Assistant — August 2021 — Present
Institut Teknologi Bandung
- Selected from 60+ applicants and completed the selection process with the highest score.
- Responsible for facilitating the teaching and grading for multiple courses that are under the Computational Science and Engineering Laboratory such as Discrete Mathematics and Algorithm Strategies.

Notable Projects

Social Network Analysis Application ITB
- Developed a social network analysis application for the Artificial Intelligence Center of ITB (U-CoE AI-VLB).
- Developed a multi-label hate speech classification model for Indonesian social media text for the application.
- Responsible for implementing Facebook data scraping features to gain data for the application .
- Developed functionality for processing and visualizing hate speech data for the application.

Diorama.id
- Developed a full stack mobile application that is able to save and share the user's photos, videos, and messages.
- Responsible for building and developing the backend of the application using Golang and PostgreSQL.

Dorayaki Factory Server and Dashboard
- Developed an API for a dorayaki factory to serve the logistics of various dorayaki online stores.
- Created an interactive dashboard that allows admins to easily keep track of supplies and requests from stores.
- Implemented data caching using Redis to boost the dashboards performance and load time.

Chadbot
- Developed a web-based chatbot application that is able to add,update, delete, and show the user's to-do-list.
- Worked in a team of three people to build the app using tools such as React, Express.js, and MongoDB.
- Responsible for the backend and implemented the algorithm to parse the user's input for the chatbot.

BantuKurir
- Developed a web-based application with animations to solve the Traveling Salesman Problem for couriers.
- A solo project built using React for the front end, Flask for the back end, and MySQL for the database.
- Implemented graphs and animations to the application which greatly increases user's engagement.

Skills

Programming Languages:
TypeScript, JavaScript, Go, Python, PHP, Java, Kotlin, Dart, C#, C/C++
Technologies:
Node.js, React, Next.js, Vue.js, Svelte, Tailwind, Docker, MySQL, PostgreSQL, MongoDB, Redis, Flutter, Figma, Git

Education

Institut Teknologi Bandung — Bandung, Indonesia — Aug 2019 — July 2023
Bachelor of Computer Science/Informatics - Cum Laude
GPA: 3.83/4.00
Relevant Coursework:
Object Oriented Programming, Algorithm & Data Structure, Web-based Application Development, Database, Database Management, Algorithm Strategies, Software Project Management, Computer Networks, Software Engineering, Programming Fundamentals, Computational Logic, Human Computer Interaction, Operating System.