ISYMAN NURFAUZAN RUSTAMA

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EXPERIENCE

BINUS University (BSI Maslahat Project) – Jakarta, Indonesia

Feb 2024 – Oct 2024

IoT Developer (Part-time)

- Developing IoT for monitoring water quality for aquaculture using Arduino Uno and ESP8266.

- Create an HTTP request from Arduino Uno to the server.

- Connecting Arduino Uno to the Internet via SIM and WIFI

- Integrating Dissolved oxygen sensor, EC sensor, TDS sensor and Thermistor to Arduino Uno.

- Implementing linear regression calculation using C++

- Create calibration program via serial monitor input and stored calibration value in EEPROM

- Sketching prototype for IoT development.

Back-end Developer (Part-time)

- Backend development to fulfill requests from the client side and IoT using Golang (Gin Gonic).

- Validate IoT device ownership

- Receive, process, and present monitoring data from IoT.

- Integrate AWS S3 as storage.

- Plan and perform deployment.

- Define authorization levels.

Mobile Developer (Part-time)

- Developing an Android mobile app using Flutter.

- Validating account and IoT device ownership.

- Presenting data as visual data (charts/graphs).

- Utilizing background service features.

- Sending push notifications for sensor reading alerts.

Haus Indonesia (PT. Inspirasi Bisnis Nusantara) – Jakarta, Indonesia

Feb 2024 – Aug 2024

Full Stack Engineer (Intern)

- Developing an internal web to monitor and manage the progress of internships using Go programming language and Gin framework.

- Developing microservices using Go native

- Go/GIN RESTful API

- Amazon S3 Bucket for storage

- JWT Token Blacklisting

- Email formatted HTML and CSS

- Manual testing of internal apps.

- Completing task code

- Making SQL Query to the database

BINUS University (KEDAIREKA) – Jakarta, Indonesia

Sept 2023 – Feb 2024

Application Developer (Intern)

- Developing ANDA-MANTAU web and applications to increase productivity and competitiveness of UMKM players guided by BSI Maslahat through digital strengthening of the use of PoS, LMS, Web-Commerce and Dashboard created by Bina Nusantara.

- Conducting research on Machine Learning that can applied to ANDA-MANTAU.

- Perform data processing using Machine Learning (Computer Vision).

- Implement Image Captioning to provide a brief description of the products to be sold by UMKM.

E-Commerce Website (Self-Learning Project) – Jakarta, Indonesia

Mar 2023 – Sep 2023

Backend Developer

- Developing, testing, experimenting, and debugging back-end logic, API, database, and server-side software of ecommerce website using Java Spring Boot and Amazon S3.

iTune Engineering – Bandung, Indonesia

Oct 2018 – Aug 2023

Embedded Developer

- Developing Digital Dash and PID Controlled Bypass-valve for Supercharged BMW E36 using Arduino Uno and ESP32 for collecting data from ECU, written using Arduino IDE

Engine Performance Tuner

- Performance Tuning for cars, some of my clients took part in national racing championships.

3D Designer

- Designing custom Mass Air Flow Sensor housing for BMW E36 using SOLIDWORKS

Visinema – Jakarta, Indonesia

Nov 2021

Stunt Driver

- I rolled as a stunt driver in 'Mencuri Raden Saleh' Movie to do drifting in the movie.

EDUCATION

BINA NUSANTARA UNIVERSITY – Jakarta, Indonesia   *Sept 2020 – Feb 2025*

Bachelor's of Computer Science

Technical Skills

- Java
- C
- Go
- Python
- Dart
- PHP
- HTML
- CSS
- JavaScript
- Spring Boot
- Spring Framework
- Gin
- Flutter
- Laravel
- JWT Session Management
- Amazon S3
- SQL (PostgreSQL, MySQL, etc)
- Web Development
- IoT
- Embedded System
- Web Development
- Backend Development
- Development and Operations
- Packet Tracer
- cPanel
- Putty

Languages

- Fluent in Indonesian, English

Projects

- [NovanBhakti/Ecommerce (github.com)](#)
- [Image Captioning | Kaggle](#)
- [Binus and BSI Maslahat Project (IMON Anda-Mantau Web App)](#)
- [IMON Anda-Mantau Mobile App](#)
- And others (C, Java, Go, Arduino, Flutter, Laravel) stored locally on my computer.

Courses

- [NEW] Spring Boot 3, Spring 6 & Hibernate for Beginners – Udemy
  Issued on Nov 2023
  Certificate ID : UC-2b8445d6-a0a3-4df7-8e9c-2e1dd6eabeb9
- Web Development w/ Google's Go (golang) Programming Language – Udemy
  Certificate ID : UC-3d68aedd-2916-49e1-aa5d-3e12f1dfc777
- gRPC [Golang] Master Class: Build Modern API & Microservices – Udemy
  Certificate ID : UC-37a85c40-fae9-4e21-a96c-8182807d3bb3
- Flutter & Dart - The Complete Guide [2024 Edition] – Udemy
  Certificate ID : UC-33b34723-801b-4f26-b01a-8fec05f78d93
- Pengantar Pemrograman Untuk Pemula – BINUS University Class eXtension
  Certificate Code : 2nkgacEovN
- Algorithm & Programming in Java – BINUS University Class eXtension
  Certificate Code : yxMM8JQbSt
- Pengantar Object Oriented Programming with Java Untuk Pemula – BINUS University Class eXtension
  Certificate Code : aEYgNyTdX3