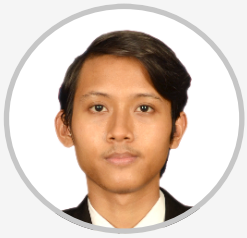
europass



Syauqi Sabili

Date of birth: 19/02/1999 | **Place of birth:** Tangerang, Indonesia | **Nationality:** Indonesian |

Gender: Male | **Email address:** syauqisabili@gmail.com | **Website:**

https://syauqisabili.github.io

ABOUT ME

Three years of professional experience in payment software development with a can-do attitude and a passion for lifelong learning. Proficiency with ISO8583, EMV, and POS applications. Proficient in embedded C/C++ programming for microcontroller interfacing. Skilled in GUI development using Qt. Currently focusing on backend services using Go.

WORK EXPERIENCE

01/10/2024 – CURRENT Jakarta, Indonesia

SOFTWARE ENGINEER PT ELCARIM OPTRONIC INDONESIA

1. Implemented real-time services using PubSub pattern to publish navigation data (NMEA 0183), and rotating radar (ASTERIX CAT240 by **EUROCONTROL**).
2. Refactored backend services from C++ to Go, introducing gRPC-based microservices. Main features include vessel tracking supported by AIS and TTM, WebRTC-based radar video, and video streaming. Additionally, compiled comprehensive documentation detailing the architecture, implementation, and performance improvements.

11/10/2021 – 30/09/2024 Jakarta, Indonesia

SOFTWARE ENGINEER PT PRIMAVISTA SOLUSI (EX WIRECARD ASIA PACIFIC)

1. Developer and maintainer for Terminal Software Management for Ingenico (T2, T+, Tetra). This software can download (and update) payment applications and configuration, terminal firmware, and settings.
2. Developer and maintainer for teller applications based on requirements.
3. Developed buy now pay later and QRIS applications for point of sales (POS) from scratch.
4. Maintainer and trainer for projects related to Ingenico and Linux based payment applications.

01/02/2021 – 01/07/2021 Bandung, Indonesia

ENGINEER INTERN (REMOTE) TELKOM INDONESIA

1. Served in a research team that explored Virtual Evolved Packet Core including standardizations, key players, solutions, and lab-test simulation of an open-source project, NextEPC.
2. Compiled a document about Cloud Native Technology based on telecom requirements.
3. Set up and optimize infrastructure, tools, and configurations for proof of concept (POC).

NETWORKS AND MEMBERSHIPS

01/2018 – 10/2020 Surabaya, Indonesia

ITS Quadruped Robot Research Team - Embedded Software Engineer

1. Involved in the development of gait planning to determine the motion trajectory and posture of each leg.
2. Designed and developed GUI for robot monitoring system using Qt.
3. Designed and developed a slave microcontroller, ATmega16 to acquire data sensors.
4. Responsible for the main code of master microcontroller, STM32F4 Discovery.

EDUCATION AND TRAINING

08/2017 – 08/2021 Surabaya, Indonesia

BACHELOR DEGREE Institut Teknologi Sepuluh Nopember

Address 60111, Surabaya, Indonesia | **Field of study** Computer Engineering | **Final grade** 3.54 |

Thesis Face Verification Using Deep Metric Learning on Face Data with Large Age Disparity

LANGUAGE SKILLS

Mother tongue(s): **INDONESIA**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B1	B1	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PROJECTS

07/2024 – 11/2024

AccuEASE - Effortless Data Mastery for Accurate Online (AOL)

AccuEASE, a third-party automation application integrated with **Accurate Online (AOL)** to help companies efficiently manage and process their core accounting data. Built using **Qt**, AccuEASE provides a responsive interface and an optimized user experience for seamless automated accounting management.

08/2020 – 10/2020

A Shareable Data Statistics Website for the Ministry of Environment and Forestry Aceh Regional

Served as an Intern, and built a website that can provide data statistics from scratch. This website itself was mainly built using the **Laravel** framework.

11/2019 – 02/2020

GPRS-based System for Monitoring Water Flow and Pressure Rate

Water flow and pressure rate monitoring system works to detect water loss. This project collaborated with municipal waterworks at Surabaya to prototype a water flow and pressure rate monitoring system. Using **Arduino** Mega as a main controller and **SIM800L** as GPRS module to deliver data acquisition via FTP protocol.

08/2019 – 11/2019

Fast-reliable Tracking System using Multi-Band LTE Module

Had responsibility for creating a code for node/slave microcontroler, **STM32F466RE** Nucleo to acquire GNSS data from **SIM7600E** and send it via HTTPS.

DIGITAL SKILLS

Programming languages

C/C++ | Python | Go | Javascript, TypeScript | Dart (Flutter)

Programming environments

Visual Studio Code | Qt Creator | Octave | Matlab

Databases

PostgreSQL | MySQL, MongoDB, MariaDB | Caching Backend: Redis

PCB design and circuit simulator

Autodesk Eagle | EasyEDA | Proteus