



# Royyan Wibisono

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## EXPERIENCE

### Freelance, Bandung— Software Developer

October 2022 - PRESENT

- I utilized ReactJS for the frontend, Golang Gin-Gonic framework for the backend, and MongoDB for the database. I prototyped a web chat application using WebSockets and JSON RPC, and developed a video call feature using WebRTC technology.

Skill: TypeScript, REST APIs, Microservices, Troubleshooting, NoSQL, Linux, Go (Programming Language), Gin, MongoDB, React.js, WebRTC, WebSocket.

- I was responsible for utilizing Eltraingraph, an application designed to plan, display, and monitor rail traffic using time-distance charts. With Eltraingraph, I was able to create graphs for trains in a user-friendly and efficient manner, allowing for the display of graphs in both planning and live modes, adjusting in real-time according to train delays.

Skills: Troubleshooting, React.js, Chart, Front-End Development, Data Visualization.

### PT Elsicom, Bandung— Software Developer

October 2016 - October 2022

- Design SCADA system for train traffic signaling.
- Managed disaster recovery planning and implementation to protect data loggers.
- Manage data Logger and visualize data for report and replay of train traffic events.
- Verified data logger performance after updates to identify and correct inefficiencies.

Skill: Python, C# .net, VB .net, SCADA, PcVue, MySQL, Data Logging, Data Replay, Data Visualize, Docker.

## SKILLS

Coding  
Software integration  
Systems analysis  
Debug code issues  
Write computer programs  
Update applications  
Research  
Analytical thinking  
Test software  
Websocket  
WebRTC  
JsonRPC  
any TCP/UDP protocol

## LANGUAGES

English - Conversational  
  
Bahasa Indonesia - Native

## **PT TSS, Bandung— *Engineer***

October 2011 - October 2016

Develop software and tools for simulation, HMI Design, and Develop SCADA software.

### **EDUCATION**

## **Politeknik Negeri Bandung, POLBAN— *Ahli Madya (D3)***

2008 -2011

Graduate from Politeknik Negeri Bandung (POLBAN) as Electronic engineer.

### **MORE ABOUT ME**

## **Professional Summary — *Detail***

As an experienced programming professional, I have a detail-oriented and self-motivated approach to producing high-quality code using a variety of programming languages such as Go-lang and Python. I am highly organized and maintain thorough project notes, allowing me to make precise coding choices and quickly resolve errors to ensure the best possible product.

In addition to my programming expertise, I have specialized in real-time communication using advanced technologies such as WebSocket and WebRTC. I continually strive to stay up-to-date with the latest advancements in concurrent programming and web development, ensuring that the systems I build are optimized for maximum performance.

### **ONLINE CV & PORTFOLIO**

<https://royyanwibisono.github.io/tunatech/>