# Tossapon Tongbai

## Developers

**Age** 30

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I am a programmer with 6 years of experience , Experience background I learn robotic systems development using the Robot Operating System (ROS), and front-end, back-end. I have a portfolio of developing software for autonomous robotic systems for control robot (Hardware), designing intuitive and responsive user interfaces(web app mobile app), and secure server-side applications (backend server). I like to learn new programming languages, development tools ,and solutions across multiple platforms frameworks.

## Skills

- Font-End : HTML , CSS , JavaScript , TypeScript , ReactJs, React Native , Vue , NextJs  , PHP ,  Laravel , QT , Java ,Kotlin Flutter, C# .net

- Back-End : Python , C , C++ , NodeJs , NestJs

- Database : Postgresql , mySql , mongoDB

- Mechatronic : Solidwork , AutoCad , ROS , Arm mBed , Arduino , PLC , Can-Bus

## Work History

**2020-2024** **Programmer**
*Gensurv , Bangkok*

- Work with team of 4 developers to successfully launch a new Outdoor Tow Truck-Laser  Guided AGV platform.

- Create web Application for control AGV for heavy load indoor transports in warehouses and factories.

- Create a application for support team that makes work easy and fast.

- Developed a RESTful API using Node.js and Express, forward proxy server to localhost

**2024-2025** **Programmer**
*Keyspace , Bangkok*

- Hotel auto check-in through our application. Guests can register their room and receive their door lock card directly, with all user data securely saved to our database upon check-in.

- Develop a server API to interface with the elevator mainboard, enabling software control over door operation and floor selection.

- Create a reusable Java library for Android development, It can use serial communication with hardware devices via RS232 and RS485 protocols.

## Education

2019         **Bachelor of Enginering (Mechanical Enginering)**
KING MONGKUT'S UNIVERSITY OF TECHNOLOGY NORTH BANGKOK

- Develop a robot equipped with mecanum wheels, controlled using ROS (Robot Operating System), and create a user interface that displays the robot's position in real-time.