Juan David Tovar Vera

Gold Coast, Australia
0405216735

judtovarve@gmail.com
juandavidtovar.com

PROFILE

I'm an Electronic Engineer with more than 4 years of experience developing software in 3 different fields: Mobile, Web and Electronic / Robotics. Specialist in front end development who knows how to use the latest and best frameworks in the market.

I'm a confident person who loves to code and lives for that. I think the attention to the details makes a difference and closes gaps between clients and stakeholders. I enjoy delivering high quality software products to achieve the company's goals.

The combination between software and hardware makes me the right person to generate the best solution in any field.

SKILLS

- **Mobile**
  - Flutter
  - Dart
  - Kotlin

- **Web**
  - **Frontend**
    - Angular
    - Typescript
    - HTML
    - CSS
    - Javascript
    - Bootstrap
    - Wordpress
  - **Backend**
    - PHP
    - Golang
  - **Database**
    - MySQL
    - MongoDB

- - Firebase

- **Automation / Electronics**
    - Python
    - Micropython
    - C++
    - Raspberry
    - Arduino
    - ESP32
    - Pyboard
    - Console

- **Code Management**
    - Git
    - Github
    - Bitbucket
    - Jira
    - Trello
    - Visual Studio Code

EDUCATION

Bachelor
Electronic Engineer, 2015 (Colombia)

Diplomas:
- Diploma of Information Technology - Front end web development and back end web development, 2023 (Australia)
- General English Upper Intermediate, 2020 (Australia)

CERTIFICATES/ volunteer/ languages
- PTE
- Blue Card
- Spanish
- English

EXPERIENCE

MOBILE APP DEVELOPER, AUG 2023 - PRESENT
THE ALPHA SCHOOL SYSTEM (TASS), Brisbane
- Create consistent code in Flutter .

- Develop pixel-perfect UX/UI in Flutter following the designs provided.
- Maintain code in Jira and Github repo to track the code.
- Version control with Git to follow best practices and latest code standards.

SOFTWARE DEVELOPER, FEB 2022 - MAY 2023
IN THE CODE, Gold Coast
- Create consistent code in **Angular** and **Flutter** to achieve the client goals.
- Develop pixel-perfect UX/UI in **Angular** and **Flutter** following the designs provided by the clients.
- Release **Android** and **iOS Apps** to commercialize the client services.
- Maintain code in **Jira** and **bitbucket** to track the code.
- Version control with **Git** to follow best practices and latest code standards.
- Work together with the backend team to build full stack web applications.

ELECTRONIC ENGINEER, FEB 2020 - FEB 2022
SOLID FUSION TECHNOLOGY / POWER AMIGO, Brisbane / Gold Coast
- Create an Electric battery charger / discharger system using **micropython** and **pyboard**.
- Monitor the voltage, current, and temperature of the battery pack in a **BMS**.
- Guarantee the health of a battery pack tracking the data of battery cells with **micropython**.
- Support solutions electrically and programmatically related with charging and discharging issues in battery packs.
- Design specific software which monitors power parameters.
- Develop a fan controller app in **Kotlin** to manage fans from android OS.
- Synchronize Mobile app with a **ESP32** board to control fans.
- **Debugging** code to avoid connectivity issues.
- Test mobile app guaranteeing the best performance in the system.
- Version Control in **Github** to track and follow best practices.

WEB DEVELOPER, JAN 2021 - DEC 2021
THINK THANK GLOBAL EDUCATION, Gold Coast.
- Redesign website in **wordpress** getting a better and modern look.
- Add new features to the website for a better user experience (UX).
- Make changes as required to provide more services online.

SALESFORCE DEVELOPER JR, AGO 2018 - DEC 2019
GLOBANT, Colombia
- Develop UI for international clients.
- Test software developments to guarantee the best performance in salesforce.
- Migrate environments from sandbox to UAT avoiding issues between instances.
- Develop under **scrum** methodology to deliver fast solutions.
- Version Control in **Bitbucket** to track and follow best practices.

- Track tasks in Jira to follow the progress in each project.

PROJECTS

- Webserver
- Home automation
- Alarms
- Temperature controller
- Remote-controlled car
- Line-following robot
- Electric battery charger / discharger system
- Health battery software interface.