JOHN JUVI QUIMADA DE VILLA

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SUMMARY

Software Engineer skilled in building responsive and dynamic applications. Experienced in developing web applications and test equipment. Actively seeking a role that offers opportunities for applying skills and expertise in developing scalable applications and systems.

EXPERIENCE

FRONTEND WEB FREELANCER | Upwork   *Aug 2025 – Sept 2025*
- Built 3 landing pages for clients and their business using ReactJS and NextJS with over 17+ pages and advanced animation. The projects are the following:
    o Hisab Kitab (8 pages): https://hisab-kitab-amber.vercel.app
    o Yin Yang (1 Page): https://ying-yang-mu.vercel.app
    o Bot Pipes (8+ Pages): https://botpipes.vercel.app

TECHNICAL SUPPORT INTERN | Neocircuts Electronic Product and Design Services   *Feb 2025 – May 2025*
- Assisted in the assembly of 200+ Temperature and Humidity Sensors
- Assisted in PCB assembly of SMD (Surface Mount Device), through hole and interconnect components
- Conducted Temperature testing of Double Device Counter Boards and encoded test plan data.

PROJECTS

DEVELOPMENT OF AN AUTOMATED TEST EQUIPMENT FOR OPERATIONAL AMPLIFIER IC
College Thesis
- Designed an automated test equipment that tests the AC and DC parameters of operational amplifiers.
- Developed the WPF desktop application that connects to the test equipment through SCPI commands.

SCARA ROBOT
Course Project
- Designed a custom pick-and-place robotic arm controlled through a custom-built controller.
- Designed and fabricated a custom-built controller with a Master-Slave ESP32 in Altium.
- Optimized and improved the overall stability of the system.

INTELLIGENT MONEY MANAGEMENT SYSTEM
Personal Project
- A web application with ReactJS and NextJS to track and manage transactions and accounts of users. (https://money.neurocoder.work)
- Connected to an external backend service (Supabase) to store user data and perform user authentication.
- Integrate the openai API for smart transactions and account creations.

LINE FOLLOWING ROBOT

Course Project

- Built a line following robot through implementation of PID feedback systems and microcontrollers (Arduino nano and ESP32).
- Designed a basic mobile application to control and perform minor adjustments to the PID algorithm through a shared network. (Dart and flutter)

SAFETY PIN

Hackathon Project

- Led in the development of a mobile-focused Progressive Web App developed in a 4-man team during the Blue Hacks 2025 Hackathon in Ateneo de Mania University.
- Integrated the mapbox maps API to display maps and pins of locations created by the user.

KALIKASAN ADVOCACY CAMPAIGN

Course Project

- Built a web application aimed towards promoting awareness to environmental sustainability which garnered 30 participants. (https://kalikasan-blog.firebaseapp.com)

THE VILLA STORE

Personal Project

- A basic Ecommerce website built using Django framework. Aimed towards promoting and advertising local goods to the community during pandemic. (https://thescicoder3000.pythonanywhere.com/)

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING   *2021 - 2025*

De La Salle University – Dasmariñas

- **Thesis:** Development of an Automated Test Equipment for Operational Amplifier ICs: Enhancing Error Screening in Testing Processes
- **Extracurricular Events**
  - Blue Hacks 2025 | *Ateneo de Manila University*   *Feb 22 – Feb 23, 2025*

TECHNICAL SKILLS

Programming Languages: C++, C#, Java, Javascript, Python, PHP, Dart, HTML and CSS
Frameworks: Nodejs, Reactjs, Nextjs, .NET Framework, Django
Databases: MSSQL, SQLite, PostreSQL, Firestore
Tools: Altium, Eagle, Visual Studio, Arduino IDE, Multisim