

Ruzell Dean C. Ramirez

Web Development, Mobile (Cross-platform), DevOps, System Design, API Development, Prototyping
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WORK EXPERIENCE

Senior Web Developer **Victoria, Australia (Remote)**
ThinkSmart Software 2023 – Present

- Development and maintenance of projects using React Vite, NestJS, Flutter, React Native, Laravel, Flask, and Go
- Had set up CI/CD pipelines in GitLab and currently managing the cloud server for one of the company's major projects. Responsible for all deployments on that server, including setting up SSL, process management, and server hardening

Special Projects Engineer **Makati, Philippines (Hybrid)**
Revlv Solutions Inc. 2022 – 2023

- Development, operations and management of projects related but not limited to software development, networks, and security
- Been the lead developer for a municipal software project in Capiz, with tasks including but not limited to client communications, actual development, scoping, and office interviews.
- Solely developed and presented an MVP (Minimum Viable Product) for a private university in Naga City, Bicol
- Actively participated in design meetings to improve the company product

Full Stack Developer **Shanghai, China (Remote)**
InviX 2021 – 2022

- Worked in a two-man team that was able to produce results on time with minimal supervision
- Made the operation team's work easier by producing automation tools using Selenium
- Deployed and performed daily operations and monitoring of AWS EC2 Ubuntu, MongoDB, Keycloak IAM, and MQTT servers
- Facilitated the hiring of more developers here in the Philippines

Information Systems Researcher **Los Baños, Laguna**
University of the Philippines - Los Baños 2021

- Helped finished the project's output, a wireless sensor network-based (WSN) system for efficient irrigation of lowland and upland crop production, that is stuck for 3 years, in less than a year
- Wrote and presented a paper in an international agricultural conference in Indonesia.

Product Development Engineer **Parañaque, Metro Manila**
Circuitrocks 2019 – 2021

- Solely developed 5 specialized electronic solutions for the company's clients in less than a year.
- Built a learn hub for electronics, communications, and IT tutorials. Wrote articles for the website, mostly about microcontroller boards and single-board computers.
- Wrote almost all product descriptions for the company's new and existing sensors, microcontroller boards, single-board computers, and electronic tools.

TECHNICAL PROFICIENCIES

- **Programming Languages:** TypeScript (preferred), Dart, Python, C, C++, PHP, Go
- **Frontend:** React Vite (preferred), NextJS, VueJS, NuxtJS, EJS, Bootstrap, TailwindCSS (preferred)
- **Backend:** NodeJS, ExpressJS, NestJS (preferred), Gin, Flask
- **Mobile:** React Native, Flutter (preferred)
- **Database:** MongoDB, InfluxDB, MySQL and PostgreSQL
- **Cloud:** AWS, Google Cloud, Digital Ocean, Contabo
- **Preferred Editor:** Visual Studio Code
- **Microcontrollers:** Arduino, AVR, STM32, ESP8266, ESP32, Nvidia Jetson Nano, PSOC, and Raspberry Pi

EDUCATION

Bachelor of Science in Electronics and Communications Engineering [2012 – 2018]

Ateneo de Naga University

PUBLICATIONS

Development of a real-time wireless sensor network-based information system for efficient irrigation of upland and lowland crop production systems

IOP Conference Series: Earth and Environmental Science (Volume 1038)

Nov 10, 2021

Performance evaluation of a water level sensor under various turbidity levels in lowland crop production systems

IOP Conference Series: Earth and Environmental Science (Volume 1038)

Nov 10, 2021

Symbol Error Rate (SER) Performance of a Mobile Handheld Device in On-Axis Rotational Motion

2019 IEEE 11th International Conference on Humanoid, Nanotechnology, Information Technology, Communication and Control, Environment, and Management (HNICEM)

Apr 23, 2020

LICENSE AND CERTIFICATIONS



Electronics and Communications Engineer License [November 2019]

Professional Regulation Commission

Licensure exam for Electronics Engineers that covers Electronics, Electronic Systems and Technologies, Mathematics, and General Engineering and Applied Sciences. Passed the exam on the first take.



Google IT Support Professional [October 2020]

Google

Eight-month IT support program, developed by Google, that covers troubleshooting, customer networking, operating systems, system administration, and security, and includes hands-on labs.