

Work Experience

Freelance Software Developer	August - October 2023
<ul style="list-style-type: none"><li>- Successfully developed a few applications with Java/PHP/SQL/JavaScript/React/Git/WordPress/HTML and CSS</li><li>- Implemented security measures</li><li>- Utilized a version control tool (Git)</li><li>- Managed RESTful APIs and designed advanced SQL databases</li><li>- Implemented design patterns such as MVC and Singleton</li><li>- Tested code to be free of bugs and ensured code performance efficiency</li><li>- Developed and maintained user-friendly interfaces</li><li>- Learned about UI/UX, desktop applications (packaging and deploying updates), security, and handling clients</li></ul>	
(Intern) Software Developer	Creotec Inc. July - September 2022
<ul style="list-style-type: none"><li>- 5% increase to company production speed when integrated a mobile app where I had a big part of developing</li><li>- Optimized a mobile application to crash 30% less, increasing the company production efficiency</li><li>- Led a technological team of 3 interns, and was responsible for technical decisions</li><li>- Mentored 6 of my co-workers on <b>Unity and C#</b> as the only experienced one</li><li>- Learned that communication is one of the most important skill as a professional</li></ul>	

Skills

- Proficient - PHP | JavaScript | HTML | CSS | MySQL | Java
- Experienced - Laravel | NodeJs | React | TypeScript | Unity
- Familiar - Wordpress | Spring Boot | Python | C#

Soft Skills - Communication

Top Projects

- **A Desktop Enterprise Application - For a client who manages a resort**
  - Made with JavaFX and Sqlite
  - Goal: make it easier and secure to manage bookings, by having enforcements and an intuitive modern GUI
  - Booking process got 10% faster and 80% more secure, resulting in saving money and having faster processes
  - Most notable features are: an event history system, and generating detailed summary report PDF documents
  - Biggest challenges are security/auth, table filtering system, and efficiently retrieving and displaying data about the free slots available within a certain date range into the GUI
- **Technoponics** - The **software part of my bachelor thesis**, a semi-automated aquaponics system, which is a runner-up for the best research project out of 20 projects
  - Uses an Arduino Mega as the microcontroller, and PHP, MySQL, and JavaScript for the web applications
  - Goal: make use of technology to make agriculture efficient
  - Resulting in growing food being 10% less tedious
  - Has good file handling, and good arduino memory optimization
  - Can store data to an SD card and an SQL database, let users view and download data, send email notifications, and save/load machine settings from the SD card storage
- **Pomodoro Project** - A **personal project** that boosts and helps control one's productivity
  - A web application that uses PHP, MySQL, and JavaScript
  - Developed this to solve a personal problem of lacking productivity
  - Increased my productivity by 200%
  - Unique because of its dashboard. Also features comments/notes instead of just numeric data

Education

Bachelor of Science in Computer Engineering	Lorma Colleges	September 2019 - June 2023
<ul style="list-style-type: none"><li>- 92 Grade Average   3.7 GPA   Half-Scholar</li><li>- Awarded as The Best Programmer of The Batch</li></ul>		

Additional

- **Over 150 Leetcode and Hackerrank problems solved** - Mostly data structures and algorithms
- **(05/24/2023) DICT Diagnostic Exam Passer** - A national (Philippines) coding exam conducted face-to-face
- **(15/03/2019) Hackathon Runner-Up Out of 10 teams** - Held at San Fernando, La Union