

Work Experience

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

Skills

- Proficient - PHP | MySQL | JavaScript | HTML | CSS | Java
- Experienced - React | Wordpress | Unity
- Familiar - 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 is to make it easier and secure to manage bookings, by having data enforcements and an intuitive modern GUI.
 - Resulted in their booking process being 10% faster and 80% more secure.
 - Most notable features are: an event history system, and generating detailed summary report PDFs.
 - 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 (in which efficiency was boosted by doing dynamic programming).
- **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, JavaScript, and Chart.js for the web applications.
 - Goal was to make use of technology to make agriculture efficient.
 - Resulting in growing food being 10% less tideous.Has good file handling, and good arduino memory optimization.
 - With its web applications, it can store data to an SD card and a database, let a user view and download data with their devices, 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%.
 - What makes it unique is the saved data can be analyzed through a detailed interactive dashboard. It also features comments/notes instead of just numeric data, for better tracking.

Education

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

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 locally at San Fernando, La Union
- **Seminars Attended**
 - (04/27/2023) Exploring the frontiers of Extended Reality
 - (08/28/2022) StackLeague x Angular PH: GitHub Actions (Deploying Your Apps on the Fly)
 - (18/03/2019) ICT Summit San Fernando
- **Certificates of Participation**
 - The Institute of Computer Engineers of the Philippines Leadership Training (09/2019)

Links

- **GitHub:** <https://github.com/KKKosmo>
- **LinkedIn:** <https://www.linkedin.com/in/louis-manila-060178284/>
- **Portfolio Website / Personal Website:** <https://kkkosmo.github.io>