

Work Experience

Freelance Software Developer	August - October 2023
<ul style="list-style-type: none">Successfully developed a few applications with Java/PHP/SQL/JavaScript/React/Git/WordPress/HTML and CSSImplemented security measuresUtilized a version control toolManaged RESTful APIsManaged and designed advanced SQL databasesImplemented design patterns such as MVC and SingletonTested code to be free of bugsEnsured code performance efficiencyDeveloped and maintained user-friendly interfacesLearned mostly about UI/UX, managing desktop applications (packaging and deploying updates), security, and handling clients	
(Intern) Software Engineer	Creotec Inc. July - September 2022
<ul style="list-style-type: none">5% increase to company production process speed by integrating a mobile app where I had a big part of developingOptimized a mobile application to crash 30% less, increasing the company production efficiencyLed a technological team of 3 interns, and was responsible for technical decisionsMentored 6 of my co-workers on Unity and C# as the only experienced oneLearned that communication is one of the most important skill as a professional	

Skills

- Proficient - PHP | MySQL | JavaScript | HTML | CSS | Java
- Experienced - Laravel | NodeJs | 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
 - Booking process got 10% faster and 80% more secure, resulting in them 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 (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 tedious
 - Has good file handling, and good arduino memory optimization
 - With its web applications, it 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. 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-ScholarAwarded 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>