

# SAUNG OO LWIN

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Backend Web Developer

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Bangkok, Thailand



## SUMMARY

Enthusiastic and inquisitive Web Developer with over 3 years of hands-on experience and a continuous commitment to learning in the dynamic technology landscape. Specialized in JavaScript (React, Vue, Node.js), PHP (Laravel), and other contemporary development tools. I focus not only on writing clean and efficient code but also on designing robust and scalable architectures, applying principles such as Domain-Driven Design (DDD) to ensure future-proof solutions. Strong communication and interpersonal skills, coupled with a proven ability to excel both independently and collaboratively within a team. Eager to contribute expertise and passion for coding to drive success in challenging projects.

## EDUCATION

### Rangsit University

Bachelor's Degree in ICT  
2023 – present

### Computer University(Mandalay)

Computer Science  
2020 – 2021

## SKILLS

- Experienced in PHP, Laravel, JavaScript, React, Vue.js, and Node.js, leveraging modern development tools to build efficient and scalable web applications.
- Possess a comprehensive understanding of SQL and NoSQL databases, with a focus on designing and optimizing efficient data structures.
- Skilled in database management, including creating ERD and data flow diagrams to ensure clear and maintainable system design
- Actively apply Domain-Driven Design (DDD) principles to build scalable and maintainable architectures. Experienced in both large corporate teams and freelance projects for local SMEs, enabling practical decision-making in selecting the right tech stacks and features aligned with business needs.
- Continuously expanding knowledge in Web3 technologies and NFT based projects to stay ahead in modern web development trends.

## WORK EXPERIENCE

### Barlote

Vue, Laravel Developer | Sept 2023 - Jun 2024

- Vue.js and Laravel Developer at here, gaining valuable teamwork experience and honing soft skills in a collaborative environment.
- Worked seamlessly with team members, enhancing both soft skills and technical competencies, including proficiency in GitHub workflow and project management using tools such as Space, and Trello.
- I take responsibility for frontend development while occasionally assisting with backend tasks, showcasing versatility in contributing to different aspects of the project.
- I got experience in preparing the platform for production, acquiring insights into the intricacies of transitioning from development to a production-ready environment.

### PicoSBS

Laravel Developer | Feb 2024 - Feb 2025

- As a Laravel Developer, I work with modern tools like Livewire and Alpine.js. Our platform originally started during the era of jQuery, so a significant part of my role involves managing and refactoring legacy jQuery code, migrating it to the newer tech stack of Laravel, Livewire, and Alpine.js to improve performance and maintainability.
- The project operates on a corporate scale, requiring communication not only with my assigned senior but also with seniors from other modules. This experience has helped me understand corporate team workflows and cross-team collaboration.
- I am currently responsible for the Product module and the Payment Gateway module within the Sales system. My work involves integrating the Stripe API and implementing the payment gateway for both POS and eCommerce sales.

Technologies: Laravel, Redis, Laravel Horizon, Amazon Lightsail, ElastiCache, AWS S3

- Contributed to building a scalable game voucher middleware API, connecting multiple game top-up suppliers to multiple merchants.
- Designed and implemented key modules like product, denomination, pricing, and transaction flow, using clean Laravel architecture and UUID-based identifiers.
- Worked on asynchronous job processing using Laravel Horizon + Redis, and deployed on Amazon Lightsail with ElastiCache for Redis.
- Integrated supplier APIs with robust logging, retry strategies, and merchant callback systems.
- Built reusable helper classes to trace transaction lifecycles, supporting debugging and merchant trust.
- Implemented dynamic pricing per merchant and currency, and developed admin panel features for archiving products/denominations.
- Managed media uploads using AWS S3, services, queues, and CRON jobs for production.
- Gained production-level deployment experience: backups, optimization, and error handling in distributed systems.

## VOLUNTEER WORKS

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**Music Theory Teacher** | Zee Kwat Academy

June 2021 to Jan 2022

**Certificate Here** 

**Technical Support** | Youth Forum, Magway,

Myanmar June 2021 to Jan 2022

**Certificate Here** 

**Vice President** | RIC Music Club@Rangsit University

August 2023 to January 2025

## Freelance

2019 - present

- Developed websites for local SMEs using modern technologies based on different requirements
- Communicated effectively with business owners, negotiating project requirements, and offering valuable insights from both business and technical perspectives.
- Managed end-to-end project lifecycles, ensuring the timely delivery of high-quality websites that exceeded client expectations.

## PROJECTS

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### USER MANAGEMENT SYSTEM FOR A POS - GITHUB

**I developed the User Management System for a Point of Sale (POS) platform, implementing role-based access control using Laravel policies and gates. This project involved managing user permissions and roles to ensure secure and efficient user access across the system.**

#### Key Achievements

- Gained a deep understanding of Laravel gates and policies.
- Learned how permissions and roles function in real-world applications, enhancing my ability to handle user management systems at scale.

### Challenges

- Before this project, I had managed roles and permissions using simple condition statements. However, in a large-scale system, this approach wasn't sufficient. I had to fully grasp the business logic and determine which roles should have specific permissions, making this a significant challenge for a larger user management system.

### How I Overcame?

- I began by thoroughly understanding the business logic behind user roles and permissions, identifying the specific access each role required. Then, I researched Laravel's best practices for user management and applied that knowledge to implement a robust system using Laravel gates and policies, ensuring that the solution was tailored to the business's requirements.

## NFT CROWDFUNDING PROJECT - GITHUB

**This is an NFT Crowdfunding Platform designed to help builders and hackathon participants transform their projects into verifiable on-chain identities using NFTs. Each project can mint a unique NFT representing its creation, enabling transparent crowdfunding directly on the blockchain. I handled both the frontend (Next.js + Wagmi + MetaMask integration) and smart contract interaction on the Polygon network.**

### Key Achievements

- Gained hands-on experience integrating Web3 technologies such as MetaMask, ERC-721 smart contracts, and Polygon network transactions.
- Built a seamless NFT minting flow that automatically uploads project data to IPFS/NFT.Storage and mints a project NFT for on-chain verification.
- Implemented crowdfunding logic allowing backers to fund projects using tokens like USDT or MATIC, creating a transparent funding process.

### Challenges

- Faced issues ensuring smooth wallet connections and transaction confirmations across different browsers and networks.
- Needed to manage synchronization between off-chain project data (stored in the database) and on-chain NFT metadata.

### How I Overcame?

- Solved wallet-connection challenges using Wagmi hooks and proper error handling to enhance reliability in MetaMask interactions.
- Implemented a dual-record approach to ensure that every minted NFT corresponds to verified project metadata stored off-chain, maintaining both data consistency and on-chain transparency.

## PICOSBS(POS SOFTWARE) AS LARAVEL DEVELOPER.

**This was a good experience working with a large-scale POS business system and collaborating with a team of senior developers. I focused on the "Product" section of the POS software, gaining insights into both business operations and software development. I gained experience to understand real-world workflows, teamwork, and communication tools like GitHub and Slack. Through this experience, I navigated the complexities of a large codebase and learned to integrate business logic into the development process.**

### **Key Achievements**

- Integrated into a large-scale POS platform with significant handovers from previous developers, quickly adapting to both the business logic and codebase.
- Focused on the "Product" section of the POS software, gaining valuable experience in both business operations and software development within the POS system. Acquired hands-on experience with web servers for hosting and ensuring seamless website performance.
- Worked closely with senior developers, collaborating on tasks and contributing to team workflows through platforms like GitHub and Slack, fostering an understanding of real-world development processes and teamwork.

### **Challenges**

- The product's vast size made it difficult for any one developer to grasp the entire codebase, requiring a deep dive into specific areas when encountering bugs or working on new features.
- Initially struggled with the business concepts of the POS system, such as inventory management and sales, due to a lack of prior experience in business-related fields.
- As software related to product sales, purchases, inventory management, and payments, even minor logical errors can have significant consequences. If there is a mistake, it can lead to incorrect statistics, which is dangerous, especially since it directly impacts financial transactions.

### **How I Overcame?**

- Prioritized learning the business logic behind the POS system to build a strong foundation for understanding its functionalities.
- Methodically read and analyzed the code related to my tasks, gradually connecting the business logic with app functionalities and the codebase, allowing me to effectively contribute to feature development and bug fixes.
- I ensured thorough testing and validation of the software to catch any errors early, which helps maintain accurate data and secure financial transactions.

These are some memorable previous projects with challenges and achievements.  
You can check out my GitHub account for more !!