Nay Thu Naing

Mid-level Developer

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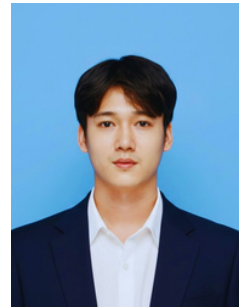
ABOUT ME

A highly motivated Full Stack Web Developer with 3 years of professional experience in a software house. Skilled in designing and developing scalable, efficient, and user-friendly web applications with expertise across both backend and frontend development. Strong foundation in database design, API integration, and agile methodologies. Holds a BSc (Hons) in Computing (Information Systems) from the University of Greenwich, UK, with additional qualifications from the Scottish Qualifications Authority.

EDUCATION

2019 - 2021
Scottish Qualifications Authority, UK

Higher National Diploma (HND) in Computing

- Built a solid foundation in programming, software engineering principles, networking, and IT systems management.
- Gained hands-on experience with Java, PHP, and database-driven applications, reinforcing practical development skills.
- Strengthened knowledge of object-oriented programming, algorithms, and data structures.
- Contributed to collaborative assignments that simulated real-world IT projects in a team environment.

2019 – 2022
University of Greenwich, UK

BSc (Hons) Computing (Information Systems)

- Gained strong knowledge in software development, database design, web technologies, and system analysis.
- Completed projects involving full-stack development, RESTful APIs, and cloud-based applications, applying both theoretical and practical skills.
- Developed problem-solving, research, and teamwork abilities through coursework and group projects.
- Final year project focused on designing a scalable web-based system, integrating backend and frontend technologies.

WORK EXPERIENCE

Full Stack Developer

- Developed and maintained dynamic web applications using PHP, Java, Spring, Next JS, TypeScript and Laravel, ensuring scalability and performance.
- Designed and optimized database structures to improve efficiency and reduce query response times.
- Collaborated with frontend teams to implement Vue.js and React components, enhancing user interfaces and responsiveness.
- Integrated third-party APIs to expand application functionality and improve user experience.
- Participated in Agile/Scrum development, contributing to sprint planning, code reviews, and feature delivery.

PROJECTS

Kenja Cloud – School Management Support System

- Contributed to the development and integration of Kenja Cloud, a cloud-based school management system derived from over 20 years of Sundai Group's expertise in school operations.
- Supported system deployment used by 800+ schools across Japan, including public and private institutions as well as local governments.
- Implemented features for student information management, attendance tracking, grade processing, report generation, and health record management.
- Worked on certificate issuance, graduation/promotion workflows, and class organization modules to improve administrative efficiency.
- Enhanced system usability with intuitive UI components and optimized backend workflows for scalability and performance.
- Collaborated on integration with parent communication tools, enabling secure and seamless school–parent interactions.
- Participated in continuous improvement through feature updates, report customization, and cloud optimization, reducing implementation and maintenance costs compared to traditional systems.

Hotel Booking System

- Designed and implemented a comprehensive hotel management system to streamline reservation, check-in/check-out, and billing processes.
- Built room booking module with availability tracking, date validation, and conflict-free reservations.
- Developed customer management module for storing guest profiles, history, and preferences.

- Integrated billing and invoicing system with automated tax/discount calculation and digital receipts.
- Implemented role-based access control for administrators, staff, and receptionists to ensure secure operations.
- Added report generation for occupancy, revenue, and customer insights to support management decisions.
- Optimized database structure for fast queries and reduced redundancy using relational database design.

ESS Educational Support System

- Developed problem (question) creation tools enabling instructors to generate, edit, and manage question pools for practice and examinations.
- Built CBT-style testing module, supporting both practice exams and formal assessments with online test delivery.
- Designed and implemented grade management & analysis functions, allowing tracking of student performance, identification of weak areas, and generating reports for instructors.
- Worked on certificate issuance, graduation/promotion workflows, and class organization modules to improve administrative efficiency.
- Included exam management tools: test scheduling, paper-print preparation, formatting, etc., to assist teachers in both digital and print versions.
- Ensured system content stays current: updates to reflect legal/regulation changes, content review to match current national examination standards.
- Supported and maintained using cloud infrastructure (AWS) to ensure reliability, scalability, and security.

SKILLS

- Programming & Frameworks: PHP, Laravel, Java, Spring, JSP, Hibernate, React.js, Next JS and TypeScript
- Frontend Development: HTML5, CSS3, Tailwind CSS, Responsive UI/UX Design
- Backend Development: RESTful APIs, JSON, Database Design & Optimization
- Tools & Technologies: Git/GitHub, Docker, Agile & Scrum methodologies
- Languages: English (Intermediate), Japanese (JLPT N3 – Study)