HNIN WAI

Fairfield, Iowa 52556 • +1-641-233-2352 • hninhnin.wai.career@gmail.com
https://www.linkedin.com/in/hnin-hnin-wai/

FULL STACK JAVASCRIPT DEVELOPER

Experienced full-stack JavaScript developer with 5 years of expertise in Health Management Information Systems. Proficient in Node.js, ReactJS, MySQL, and Oracle databases. Skilled in planning, designing, coding, testing, and maintenance phases of the Software Development Lifecycle. Collaborative problem-solver with strong decision-making and communication skills, fostering productive relationships with colleagues and stakeholders.

Software Development Life Cycle (SDLC) • SOLID principles • Application programming interface (API) Security • Asynchronous Programming • Relational Database

Languages: JavaScript
Web: NodeJS, React.js, Material UI, Bootstrap, HTML, CSS
Web Services: RESTful
Frameworks: Express
Databases: MySQL, MMSQL, Oracle
Design Patterns: Hooks, Singleton, Factory Pattern
SDLC: Agile
Tools: Visual Studio Code, IntelliJ, GitHub
Platforms: Windows
Cloud: AWS (EC2, ECS, EKS, EFS, EBS, S3, Lambda, VPC, API Gateway, SQS, SNS, RDS, CloudWatch, DynamoDB)

PROFESSIONAL EXPERIENCE

CAREER NOTE: *Completed on-campus studies and currently taking distance education courses to complete a* **Master's Degree in Computer Science** *(Available for full-time, W-2 employment).*

COMMUNITY PARTNERS INTERNATIONAL, Yangon, Myanmar • 09/2018 – 07/2023
NGO dedicated to empowering conflict-affected, remote, and underserved communities in Asia to live in health and dignity.
Software Developer
Developed Health Management Information System
- Engineered a web-based application utilizing Node.js for backend development, React.js for frontend, and Oracle database, enabling client access to the Health Management Information System. This initiative significantly bolstered the availability of health data for analysis, thereby elevating healthcare standards in remote areas of the country.
- Achieved a 30% enhancement in front-end performance and functionality by developing APIs using Express.js.
- Designed a user-friendly interface with Material UI and React.js, resulting in magnifying client satisfaction and supporting customer relationships.
- Installed NodeJS and Oracle DB on local servers for a versatile application, ensuring availability to be deployable both online (Cloud) and offline (on-premises), featuring reusable components that streamlined maintenance efforts and reduced development and deployment time.
- Contributed across all software development phases, ensuring optimized performance, and minimizing errors in applications.

Technologies Used: *ReactJS, Node.js, Oracle, SQL Developer, Visual Studio Code.*

MYANMAR INFORMATION TECHNOLOGY PTE LTD., Yangon, Myanmar • 01/2015 – 08/2016
Leading technology provider in Myanmar.
Software Developer
Developed Health Management Information System and integrated with pharmacy.
- Implemented data entry forms using VB for the desktop version and Java for the web version, streamlining development efforts and enhancing reusability.

- Developed intuitive interfaces with AngularJS and Java, elevating client satisfaction, drafting end-user documentation, and fostering positive customer relations.
- Utilized MVC patterns for streamlined maintenance, resulting in 20% efficiency gains during change requests and version management.
- Improved team productivity by 30% through the development of functional modules, and efficiently recorded patient data into the application, reducing manual efforts by 50% with MSSQL-driven reporting queries and error resolution.
- Conducted rigorous testing on all data entry forms before production, resulting in significantly reduced errors upon application launch.

Technologies Used: *VB, Java, MSSQL, Tomcat, Eclipse, Angular JS.*

ACADEMIC PROJECTS

Maharishi International University (2024) – **Electronic Badge/Attendance System:** The system either allows or denies access based on built-in rules and keeps track of attendance. It was developed using Spring, Spring MVC, Spring Boot, Spring Data JPA, and Spring Cloud Services to create a RESTful system of microservices.

Maharishi International University (2023) – **Property Management System:** Property management portal is a web-based java project where house owners and customers can exchange information effectively and inexpensively. This system provides a user-friendly interface, satisfying the needs of the consumers. Utilized ReactJS, Spring Boot, Hibernate, PostgreSQL.

Maharishi International University (2023) – **Product Management System:** Product management system is a web-based application using React JS and JAVA Spring Boot where sellers can create products and customers can buy these products. Deploy frontend react application into S3 bucket and backend Spring boot project EC2 instance in AWS cloud. Build a fault-tolerant, highly scalable, production-ready API on the cloud. Utilized ReactJS, Spring Boot, MySQL.

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion 04/2026)
Maharishi International University, Fairfield, Iowa

Key Courses: Web Programming, Cloud Computing, Web Application Architecture, Enterprise Architecture

Bachelor of Computer Science (Honors) in Computer Science
University of Computer Studies, Yangon, Myanmar

CERTIFICATIONS

[AWS Certified Solutions Architect – Associate](#)