

# NWAI THINGYAN

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Passionate and experienced Business Systems Analyst and Project Manager with over 13 years in systems development and stakeholder communication. Dedicated to designing, developing, testing, and implementing high-quality systems using technologies such as Java, Spring Boot, C#, .NET Framework, Oracle 11g, Digital Ocean, and GitHub. Proven track record of leading projects through the full SDLC, consistently improving system performance, user satisfaction, and operational efficiency. Driven by a commitment to excellence and a love for innovative problem-solving, I thrive in collaborative environments where I can leverage my technical skills and project management expertise to drive business success.

## Core Competencies and Skills

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Requirement Gathering | Business/Gap Analysis | Stakeholder Communication | Documentation | Testing (Unit Test, SIT, UAT) | Domain Driven Design | Automated Testing | Problem Solving | Team Collaboration | Project Management | Mentorship | Self-Motivation

**Languages:** C#, Java, Macro, C++

**Web:** HTML5, CSS, JavaScript, Rest API, EJB

**Web/App Servers:** IIS 11 (Internet Information Services)

**Frameworks:** Spring boot, NodeJS, .NET, Angular, Express

**Databases:** MS SQL, MySQL, Oracle, Postgres, MongoDB

**SDLC:** Agile, Waterfall

**Tools:** Trello, VS code, IntelliJ, GitHub, Digital Ocean, Visio, JUnit, Microsoft Studio, Ranorex Studio, UiPath Studio, MS Management Studio, Oracle SQL developer, Wireshark, Infragistics, Redmine, Zabbix, Job Arranger

**Application/Software:** Inferno (Backend of Securities Trading System)

## Experiences

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### DIR-ACE TECHNOLOGY LTD.,

01/2011 ~ 10/2023

Software development and system integration services specializing in Stock Exchange System, Securities Trading systems, and office automation projects.

### Business System Analyst/Project Manager

03/2019 ~ 10/2023

- Performed comprehensive requirement gathering and gap analysis, translating stakeholder needs into actionable technical specifications, resulting in a well-aligned and efficient system.
- Led the development and deployment of an JLPT Application Form Application System, utilizing Angular, Java Spring Boot, and MySQL, enhancing system performance and enabling seamless third-party payment integration.
- Optimized system scalability and reliability by managing infrastructure on Digital Ocean, including the implementation of load balancers, which supported high-traffic periods with consistent performance.
- Improved system capacity and user experience by conducting load testing using Gatling, ensuring the platform handled peak usage without performance degradation.
- Collaborated with cross-functional teams to design and implement UI and robust functional architecture, aligning technical solutions with business needs and improving overall user satisfaction.
- Automated notification processes by leading the RPA implementation using UiPath and Macro, cutting processing time by 60% and streamlining expired car policy notifications.
- Collaborated with stakeholders to enhance CRM applications and develop new modules using Angular, Node.js and PostgreSQL leading to improved functionality.

- Managed regression testing tool for the Securities Trading System by implementing Ranorex, leading to a 50% reduction in manual testing efforts and increase in defect detection pre-release.
- Reverse-engineered Securities Trading Systems to produce comprehensive functional documentation, utilizing C#, Node.js, API, and Oracle, which enhanced system understanding and facilitated incident root cause analysis.
- Contributed a Historical Data Reporting System for business reporting, deploying C#, .NET Framework, PostgreSQL, IIS 11, Windows Server 2016 and TFS achieving a 40% improvement in reporting efficiency and generation of business insights.

#### **Team Lead(Back Office Side)**

**04/2018 ~ 02/2019**

- Collaborated with stakeholders to develop a strategic migration plan and executed comprehensive data validation.
- Led a data migration for Securities Trading System, leveraging Perl, PL/SQL, and Macro to accurately migrate trading, settlement, and reconciliation data across three settlement life cycles, achieving 100% data integrity and minimal system downtime.

#### **Deputy Project Manager**

**10/2017 ~ 03/2018**

- Defined key functionality requirements for legacy system modules using stakeholder input, enhancing performance and improving user satisfaction by 30%.
- Led various testing phases for system upgrades, reducing defects and improving system reliability.
- Communicated testing outcomes and project status to stakeholders, enhancing transparency and confidence.

#### **Software Engineer/Software Engineer Leader**

**08/2013 ~ 09/2017**

- Led requirements gathering through stakeholder interviews, resulting in a 25% increase in feature delivery.
- Conducted connection, failure, and regression tests with Yangon Stock Exchange system, improving reliability and reducing post-deployment issues.
- Managed incident handling, reducing resolution time by 50% and improving system uptime.

#### **Programmer Leader**

**01/2011 ~ 07/2013**

- Led code review and testing processes, enhancing code quality and reducing production bugs.
- Developed and maintained technical documentation, streamlining onboarding and ensuring project consistency.

#### **ACE Data Systems, Hlaing, Myanmar**

**05/2009 ~ 12/2010**

##### **Programmer**

- Developed a Bus Transportation Application using C#, .NET Framework, MS SQL, and IIS 7 to manage bus and driver records, driver test information, spare buses, accidents, and penalties, resulting in improved operational efficiency and accurate record-keeping.

### **Academic Projects**

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#### **Maharishi International University (2024)**

**Photo Sharing System:** Developed a web application that allows users to share photos with features including a searching function, user registration, photo uploading, and a voting system for photo ranking. Implemented the user registration function using JWT (JSON Web Tokens) for secure authentication and session management, using Angular 7 for the frontend, Node.js for the server-side logic, and MongoDB for the database.

**WMDB:** Developed a web application that provides users with information about movies, including where they can watch them, whether at home or in nearby theaters. Features movie search, detailed movie information, and availability tracking for different viewing options by utilizing HTML5, CSS, EJB, Express.js and MongoDB for database.

### **Education**

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#### **Maharishi International University(Master of Science in Computer Science)**

**10/2023 ~ 06/2026**

*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).*

#### **Bachelor of Engineering (B.E) in Information Technology**

**01/2001 ~ 12/2006**

### **Certifications**

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**PSM I** (<https://www.scrum.org/certificates/601947>)

**12/2020**