

Zu Zin Ko Htun - Senior Software Engineer

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🏠 Chon Buri, Thailand.

📅 Date of Birth: 16-April-1996

SUMMARY

Results-driven **Senior Software Engineer** with **6+ years of experience in E-commerce and FinTech**, including as a core member of the **CityMall Online founding team**. Proven expertise in **designing, developing, and supporting live applications** with a focus on **scalability, performance, and user satisfaction**. Strong command of the **full software development lifecycle** and adept at **mentoring and leading teams**. Holds a **Bachelor of Engineering in Information Technology** and is recognized for a commitment to **innovation, continuous improvement, and adapting to emerging technologies**.

SKILLS

Languages & Frameworks: C#, C++, Java, PHP, Ruby, JavaScript, HTML, .Net Core, .Net Framework, WCF, Entity Framework, Entity Framework Core, Ruby on Rails, JQuery, Bootstrap, CSS, WordPress

Databases & Cloud: MySQL, MSSQL, PostgreSQL, MongoDB, Redis, Microsoft Azure, Azure Data Factory, SSIS, SSRS

Tools & Methodologies: Git (GitHub, GitLab, Bitbucket), Jira, Confluence, Azure DevOps, Agile, Scrum, Waterfall, Docker

Leadership and Communication: Mentoring, Code Review, Vendor Management

Language: English (Conversational)

EXPERIENCES

City Mart Holding Company Limited (CMHL)

Yangon, Myanmar

Senior Software Engineer

June-2023 – December-2024

- Championed the onboarding process for junior developers, reducing project ramp-up time by 30% and ensuring adherence to **coding standards and best practices** across the software development lifecycle.
- Collaborated cross-functionally with frontend, mobile, DevOps, QA engineers, and business stakeholders to deliver **user-centric solutions**, driving **project outcomes** and **business impact**.
- Contributed to **developer recruitment and onboarding**, fostering a **high-performing development team**.
- **Architect and develop scalable, high-performance systems** using microservices, containerization, and secure authentication to support business-critical operations.
- **Lead system integration efforts with external services and optimize data synchronization** to ensure seamless communication and real-time processing.
- **Conduct thorough testing, monitor system performance, and collaborate with infrastructure teams** to ensure system reliability, scalability, and smooth deployment.
- **Provide technical leadership, troubleshoot critical issues, and support post-deployment operations** to maintain high availability and operational efficiency.

Projects:

- **SMSGateway:** A system that enables businesses to send and receive text messages via various networks. SMS gateways are widely used for marketing, authentication (OTP), and customer service purposes, offering high reliability, scalability, and secure communication.

- Architect and design a scalable SMS gateway solution using microservices principles to handle high message throughput and optimize communication.
- Develop the system as a containerized application, focusing on seamless integration with external services and efficient reporting mechanisms.
- Conduct thorough testing with various scenarios to ensure system reliability, performance, and scalability under load.
- Execute the go-live process, ensuring smooth deployment, monitoring, and resolving any post-launch issues.

Technologies: .Net Core, MSSQL, Docker, System Integrations, Jira, Confluence, Bitbucket.

- **CityMallOnline Logistic Management System:**

- Developed and upgraded a high-performance system optimized for scalability, efficient data synchronization, and secure authentication.
- Focused on improving response times and ensuring seamless integration, including mobile applications.
- Collaborated with the infrastructure team to enhance server performance and provided continuous support to maintain operational efficiency.

Technologies: C#, .NET Core 5, Clean Architecture, Domain-Driven Design (DDD), MSSQL, Entity Framework Core, JWT, OAuth, Queue, Azure Service Bus, Mobile Application Integration, Git, Azure DevOps, NewRelic

- **FinTech System (Near Me | E-Service, E-Payment, E-FMCG, E-Fund (Myanmar)):** A range of digital services, including mobile top-ups, bill payments, e-commerce for FMCG products, and loan repayments. It connects retail agents to multiple services, enabling them to handle transactions and accept various payment methods. The platform also offers real-time transaction records and mobile apps for easy access, enhancing convenience for both businesses and customers.

- Acquire knowledge from the owner team by reviewing system documentation, understanding architecture, and clarifying any gaps.
- Design, develop and integrate APIs for mobile top-up functionality, ensuring real-time transactions and secure data handling.
- Prepare the application for production, ensuring smooth deployment, monitor for issues, and work with the infrastructure team for seamless integration.

Technologies: .Net Framework, WCF, ADO.Net, Redis, SQL, System Integrations, Jira, Confluence, Bitbucket.

Software Engineer

August-2019 – May-2023

- **Analyze business requirements, design system architecture, and develop scalable solutions** for logistics, merchant, and monitoring systems using .NET Core, Clean Architecture, and DDD.
- **Ensure seamless system integration** with third-party platforms like SAP Hybris and Azure Service Bus, focusing on secure authentication, API development, and real-time data synchronization.
- **Conduct comprehensive testing, including UAT, and collaborate with infrastructure teams** for deployment, monitoring, and issue resolution to ensure system reliability.
- **Provide 24/7 support to maintain system uptime, troubleshoot critical issues, and enhance operational efficiency** for CityMall Online platforms.

Projects:

- **CityMallOnline Logistic Management System:** Version upgraded system based on existing Delivery Management System to optimize the delivery process (CityMall Online Delivery) by tracking shipments, managing delivery schedules, and ensuring timely and accurate deliveries, improving overall operational efficiency.

- Conducted thorough analysis of the existing system, gathered requirements from business and operations users, including ground surveys.
- Designed the system architecture and integration plan, including mobile application features.
- Developed using .NET Core 5, Clean Architecture with DDD, Entity Framework Core, Azure Service Bus for data synchronization, JWT/OAuth for authentication, and MSSQL database for data management.
- Prepared test cases, conducted comprehensive testing, and coordinated with the operations team for User Acceptance Testing (UAT). - Collaborated with the infrastructure team for server deployment and developed a Go-Live plan to ensure smooth transition.
- Provided 24/7 support to ensure smooth operations and addressing issues as needed.

Technologies: C#, .NET Core 5, Clean Architecture, Domain-Driven Design (DDD), MSSQL, Entity Framework Core, JWT, OAuth, Queue, Azure Service Bus, Mobile Application Integration, Git, Azure DevOps, NewRelic

- **Merchant System:** An innovative solution to enhance merchant fulfillment processes for third-party merchants on the CityMall Online platform, enabling faster and more accurate transaction processing.
 - Analyzed business requirements and created UI mockups using Figma.
 - Developed the system with .NET Core 3.1, focusing on secure APIs with strong authentication/authorization. - Integrated with SAP Hybris for real-time order status synchronization.
 - Implemented MSSQL for data management, prepared test cases, and conducted testing.
 - Assisted in the production deployment to ensure a smooth release.

Technologies: C#, .NET Core 3.1, HTML, CSS, JavaScript, Figma, ASP.NET MVC, Web APIs, MSSQL, Azure DevOps

- **Monitoring System:** Ensured smooth operations by monitoring system uptime for CityMall Online Systems, ERP order statuses (completed sales or cancellations), and inventory levels, addressing issues promptly.
 - Gathered and analyzed requirements for monitoring system health (active or down) and operational data tracking.
 - Designed and developed a scalable monitoring application using C#, .NET Core, and N-Layer Architecture.
 - Integrated ASP.Net Identity for secure authentication and user management.
 - Built interactive dashboards using HTML, CSS, JavaScript, jQuery, and AJAX for real-time monitoring.
 - Conducted comprehensive testing to ensure system reliability and performance under various conditions. - Collaborated with the infrastructure team to resolve system downtimes and deploy solutions.
 - Provided 24/7 support to ensure smooth operations.

Technologies: C#, .NET Core, ASP.Net Identity, ASP.NET MVC, N-Layer Architecture, HTML, CSS, JavaScript, jQuery, AJAX, SQL, Docker, Azure DevOps

Junior Software Engineer

August-2018 – July-2019

- **Provide Level 3 application support**, troubleshoot issues, and ensure system stability for critical platforms.
- **Analyze requirements, assess impact, and gather business needs** to drive system improvements.
- **Configure and manage data pipelines using Azure Data Factory**, ensuring efficient data ingestion and transformation.
- **Maintain and enhance static websites**, ensuring accuracy, performance, and alignment with business goals.

Projects:

- **Delivery Management System:** A software solution that streamlines the order fulfillment process, optimizing delivery scheduling, tracking, and communication between customers, vendors, and internal teams to ensure timely and efficient deliveries for CityMall Online e-Commerce platform.
 - Provided Level 3 application support, troubleshooting issues and ensuring system stability.
 - Conducted requirement analysis and impact assessments to evaluate system changes.

- Gathered business requirements from stakeholders to understand needs and drive system improvements.
- Monitored system performance and addressed issues proactively to ensure smooth operations.
- Managed vendor relationships, coordinating system development, issue resolution, and performance optimization.
- Provided 24/7 support to ensure smooth operations.

Technologies: PostgreSQL, RubyOnRails, SideKiq, GitLab, Azure DevOps

- **CityMall Online Data Warehousing:** A data warehousing solution to centralize and analyze transactional data, enabling efficient reporting and data-driven decision-making for CityMall Online.
 - Configured Azure Data Factory to ingest data from multiple sources (databases, flat files) into the data pipeline.
 - Applied data cleaning, transformation, and enrichment processes using Azure Data Factory.
 - Moved processed data into SQL Data Warehouse for reporting and analytics.

Technologies: MSSQL, Azure Data Factory, Azure Blob Storage

- **Static Websites ([CityRewards](#), [CMHL](#), others 6+):** Static websites for multiple companies under CMHL, focusing on fast loading, user-friendly interfaces, and seamless content delivery to enhance customer engagement and brand visibility.
 - Collaborated with business users to gather and discuss website requirements and objectives.
 - Managed and maintained static websites using WordPress, ensuring content accuracy and relevancy.
 - Enhanced website design, functionality, and performance to align with business goals and improve user experience.

Technologies: PHP, HTML, Javascript, Wordpress, MySQL

EDUCATION

Bachelor of Engineering (Information Technology)	Yangon, Myanmar
West Yangon Technological University	2013 – 2019
Diploma in Business Administration & Human Resource Management	Yangon, Myanmar
DAIICHI	2013 – 2019

CERTIFICATIONS

Azure Data Fundamentals	Microsoft
Web Technology and C++ Programming	Yangon, Myanmar
Java Programmer (J2SE)	Yangon, Myanmar
LCCI - II	Yangon, Myanma