AUNG ZAW MYO
Back-end Developer

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PROFILE

Detail-oriented and results-driven **C#** back-end Developer with **over two years** of hands-on experience in designing, implementing, testing, and maintaining robust and scalable server-side applications. Proficient in utilizing the **ASP.NET, ASP.NET Core** framework and associated technologies to deliver efficient and high-performance solutions. Adept at collaborating with cross-functional teams to analyze requirements, identify opportunities for system enhancements, and implement effective solutions. Demonstrated expertise in database design, SQL query optimization, and integrating third-party APIs. Strong problem-solving skills and a commitment to delivering quality code within deadlines. Proven ability to adapt quickly to emerging technologies and industry best practices. Passionate about staying abreast of advancements in software development and continuously enhancing skills to contribute effectively to dynamic development environments.

EDUCATIONAL BACKGROUND

Yangon Technological University   **2014 – 2020**

- Bachelor of Engineering
  (Computer Engineering & Incormation Technology)

Certificates

- Dynamic web application development with PHP (GUSTO University)
- Programming with C++ (KMD Institute)
- React Basic Certificate (Coursera)
- JLPT N5 Qualification

EXPERTISE AREAS

- Proficient in **C#** programming language, with extensive experience in developing web applications using **ASP.NET** and **ASP.NET Core** frameworks.
- Strong understanding of Object-Oriented Programming (OOP) principles and design patterns.
- Hands-on experience in building **RESTful** APIs and web services using **ASP.NET Web API** and **ASP.NET Core MVC**.
- Thorough knowledge of front-end technologies such as **HTML5**, **CSS3**, **JavaScript**, and popular libraries/frameworks like **jQuery**, **Bootstrap**, and **React.js**.
- Experience with database development and management using SQL Server, including writing complex queries, stored procedures, and database optimization.
- Familiarity with **ORM** (Object-Relational Mapping) frameworks such as Entity Framework and Entity Framework Core for data access and manipulation.
- Strong understanding of **Object-Oriented Programming** (OOP) principles and design patterns, including **CQRS** (Command Query Responsibility Segregation).
- Hands-on experience in implementing CQRS architecture for scalable and maintainable web applications.
- Knowledgeable in applying SOLID principles to ensure clean and modular code.
- Strong understanding of Domain-Driven Design (DDD) principles and their application in building robust and domain-centric software solutions.

- Proficient in version control systems like Git for collaborative development and code management.
- Experience with Agile development methodologies and practices, including **Scrum** and **Kanban**.
- Strong problem-solving skills and ability to troubleshoot and debug complex issues efficiently.
- Continuous learning mindset to stay updated with the latest advancements in technology and best practices in software development.

PROJECT EXPERIENCES

- **Static Website Development**
  - Create a company portfolio website showcasing services, payment, and contact information.
  - Added some animation using javascript and css libraries such as anime.js, animate.cs, etc.
  - Implement responsive design using CSS media queries to ensure compatibility across various devices.
  - Project Links
    - https://marketing-sample.netlify.app
    - https://qb-dataresearch.netlify.app
- **Blog website with MERN stack**
  - Develop a blog website with multiple pages for displaying articles/posts.
  - Implement a navigation menu for easy navigation between different sections/pages.
  - Include features such as categories, tags, and search functionality for organizing and finding articles.
  - Utilize Node.js and Express.js to create a back-end server for handling HTTP requests.
  - Implement RESTful API endpoints for CRUD operations on blog posts.
  - Use Express middleware for routing, request parsing, and error handling.
- **Dice Game Website**
  - Developed a dynamic and interactive dice game website using HTML, CSS, and JavaScript.
  - Implemented JavaScript logic to simulate dice rolling functionality and update the displayed dice image based on random numbers.
  - Utilized CSS for styling and layout to create a visually appealing user interface.
  - Integrated gameplay interaction features such as roll button functionality and display of each roll's result.
  - Ensured responsiveness and compatibility across various devices for optimal user experience.
- **Home Rental Service Application**
  - Designed and developed a Home Rental Service application using C# and Windows Forms.
  - Implemented a user-friendly interface allowing users to search, view, and book rental properties.
  - Integrated functionalities for property management, including adding new properties, updating property details, and managing availability.
  - Utilized object-oriented programming principles to ensure modularity, scalability, and maintainability of the codebase.
  - Implemented data validation and error handling mechanisms to enhance application robustness and reliability.
  - Integrated database connectivity using Microsoft SQL Server to store and manage property information and user bookings.
  - Integrated user management functionalities, distinguishing between staff, admin, and regular user roles.

WORK EXPERIENCES

uab Bank Head Office   **March 2022 – April 2023**

Junior back-end Developer (.NET)

- Studied ASP.NET and ASP.NET Core, gaining proficiency in back-end development technologies and frameworks.
- Analyzed the company's working system and designs, identifying areas for improvement and proposing solutions to enhance efficiency and functionality.
- Assisted senior developers in the development and maintenance of back-end components for web applications using ASP.NET MVC framework.
- Implemented CRUD operations and business logic in C# to support various functionalities of the application.
- Collaborated with frontend developers to integrate back-end services with user interfaces, ensuring seamless user experiences..

- Developed RESTful APIs to provide data and functionality for mobile applications, ensuring seamless integration and communication with back-end services.
- Participated in code reviews and testing activities, identifying and addressing bugs and performance issues.
- Assisted in database design and development tasks, including creating tables, stored procedures, and database queries.
- Demonstrated a willingness to learn and grow, actively seeking feedback and proactively contributing to team discussions and projects.

uab Bank Head Office   April 2023 – June 2024

Senior back-end Developer (.NET)

- Collaborate and get one of the main role with a team of back-end developers in the design and development of complex web applications using ASP.NET Core framework.
- Architected and implemented scalable and maintainable back-end solutions, adhering to best practices and design patterns.
- Developed RESTful APIs to enable seamless communication between client-side applications and server-side components.
- Optimized SQL Server databases for performance and scalability, including query optimization and indexing strategies using MySQL Workbench.
- Mentored junior developers, providing technical guidance, code reviews, and fostering a collaborative team environment.
- Acted as a technical liaison, providing technical support and assistance to third-party clients and stakeholders.
- Collaborated with cross-functional teams to gather requirements, estimate project timelines, and prioritize tasks for sprints.
- Implemented continuous integration and deployment pipelines using Azure DevOps, ensuring efficient software delivery.
- Leveraged strong knowledge in banking domain and core banking systems to design and develop back-end solutions tailored for financial applications.

Participated Projects

- **Balance Confirmation (uabpay app)**
  - Developed back-end APIs for uabpay Digital Wallet to generate bank balance confirmation statement.
  - Designed and developed for both direct download and sending E-mail feature.
  - Added encrypted request and response body schema for security concern.
  - Added session control to prevent fraud cases and illegal logins.
  - Adjust the html template for E-mail attachment file, used CSS media queries for better design.
  - Collaborate with Core Banking team for retrieving bank account information from Core Banking system.
  - Developed SOAP API with XML format to communicate with Core Banking Server.
  - Using Mailgun APIs to send E-mail to the user for confirmed balance information as a pdf file.
- **SGH+ App**
  - A new white label wallet application for collaboration with Sein Gay Har shopping mart.
  - Mainly developed the necessary back-end APIs for user registration, login, payment systems, and so on.
  - Also developed transaction API to make payment for specific scenarios.
  - Adjust the transaction flows to make sure it aligns with the bank's existing voucher system.
  - Deployed in UAT environment and support the necessary bug fixes and enhancement for better result.
- **Admin portal for MAI Xtra**
  - Developed a MVC web application for MAI Xtra application to check daily transactions and user registration.
  - Designed and implemented an intuitive user interface for administrators to manage various aspects of the web application.
  - Collaborated with stakeholders to gather requirements and understand business needs for the admin portal.
  - Conducted thorough analysis of user requirements and translated them into technical specifications.
  - Designed the architecture and database schema for the admin portal, ensuring scalability, maintainability, and security.
  - Implemented clean and modular design patterns, such as MVC, for efficient development and maintenance.
  - Developed back-end functionalities using ASP.NET Core MVC, C#, and Entity Framework Core.
  - Implemented CRUD (Create, Read, Update, Delete) operations for managing various entities and data within the application.
  - Implemented authentication and authorization mechanisms using ASP.NET Core Identity.
  - Configured role-based access control (RBAC) to restrict access to specific features and functionalities based on user roles.

- Provided ongoing maintenance and support, troubleshooting issues, and implementing enhancements as needed.

- **Aung Bar Lay Lottery payment API within uabpay**
  - Developed and support a third party open API for make payment for purchasing government lottery.
  - Facilitated effective communication and collaboration between internal development teams and external collaborators to ensure project success.
  - Analyze and understand the documentations of required development process.
  - Facilitated effective communication and collaboration between internal development teams and external collaborators to ensure project success.
  - Integrated the third-party payment open API into the application's back-end infrastructure, allowing users to make secure and seamless payments for lottery purchases.
  - Implemented API endpoints for mobile app to handle payment requests, responses, and transaction processing.
  - Ensured compliance with industry standards and security best practices in handling sensitive payment information and transactions.
  - Implemented hash value calculation with SHA256 method and secure communication protocols to protect user data and prevent unauthorized access.
  - Documented the integration process, API usage guidelines, and troubleshooting procedures for future reference and knowledge sharing.

- **uabpay Merchant Portal**
  - Led the development of a comprehensive merchant portal web application for collaborated merchants and shops, those who accept payment with our digital wallet services.
  - Collaborated with stakeholders and internal teams to gather requirements and define the scope of the merchant portal web application.
  - Worked closely with UI/UX designers to create intuitive and user-friendly interfaces for merchants and shop owners.
  - Developed core features of the merchant portal, including transaction checking, fund transfer functionalities, user creation, and payroll system.
  - Implemented secure authentication and authorization mechanisms to control access and ensure data privacy.
  - Implemented APIs for transaction processing, fund transfers, and balance checking with our bank and digital wallet services.
  - Implemented user management functionalities for merchants and shop owners, including user creation, role-based access control, and password management.
  - Developed a payroll system for automated salary payments to for many companies based on transaction volumes and commissions.

- **uabpay WinGold Campaign APIs**
  - Performed the lead role in the development of campaign APIs to incentivize user engagement and growth within our wallet system platform.
  - Designed and developed RESTful APIs to support campaign functionalities, including calculating points received for inviting friends, retrieving top scorers list, and providing information about quarterly received points and previous month's winners.
  - Implemented secure authentication and authorization mechanisms to ensure data privacy and prevent unauthorized access to campaign data.
  - Developed algorithms to calculate points received when users invite friends who have not yet registered into our wallet system.
  - Implemented logic to award points based on successful friend registrations and track points accumulation for each user.
  - Created APIs to retrieve and display the top scorers list, showcasing users with the highest accumulated points from successful invitations and engagement activities.
  - Developed APIs to provide information about quarterly received points, summarizing points earned by users over specific time periods.
  - Implemented functionalities to retrieve and display winners of previous months' campaigns, highlighting top performers and incentivizing continued engagement.
  - Successfully implemented campaign APIs to incentivize user engagement and growth, resulting in increased user registrations and platform activity.