

# Adam Yang

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Senior Full Stack Developer with 11 years of experience in designing the architecture and develop of the web application at the various of industry domains such as Fintech, Ecommerce, etc. Proficient in C/C# and Angular JS, jQuery and other libraries, always keep delivering high-quality, on-time solutions within budget. Expertise in full software development life cycle and strong cross-functional team collaboration. Adept problem solver and technology enthusiast committed to staying current with industry trends. Seeking a dynamic role in an innovative organization.

## Experience

### Mondo Robot – Banning, CA | Lead C# Engineer

Jan 2019 – Aug 2023

- Analyze user requirements and develop technical specifications and plans, resolve the technical design issues, offer technical guidance and assistance to team members understanding in areas of architectural design, development methodologies, and technology stacks by leveraging Microservices, UML and Agile Methodologies like Scrum or Kanban.
- Develop and maintain websites, web services and compose the TDD to a high standard to support the organization's main software packages and ensure that all code changes are thoroughly tested before being released to production, ensuring their alignment with project objectives.
- Review and critique the code of the 8-team developer's code to ensure that it meets the quality and performance, and security of the software product, and provide constructive feedback to help them improve their skills and knowledge.
- Implement and maintain monitoring and logging solutions to provide real-time visibility into the application and infrastructure performance and to proactivity identify and resolve any issues or errors.
- Facilitate daily stand-up meetings, sprint planning sessions, sprint retrospectives, and other Agile to ensure that development teams are aligned and focused on delivering high-quality of the product on time with in the budget.
- Led the development of a new point-of-sale application which integrate the payment gateways such as PayPal and Stripe to enable the seamless payment processing for customers and implemented the real-time inventory tracking and management using C# and WPF, Xamarin, Angular 13, React, Next.js, MySQL.
- Designed and developed a secure cryptocurrency exchange platform, a trading bot and implemented the Coinbase API in trading profit and volume using ASP.NET Core and minimal APIs of .NET Core 6 and 7.
- Successfully leading the migration of legacy .NET3, 5 applications to the latest version, optimizing performance and leveraging minimal APIs in .NET 7 and professional at design decision (MVC/MVVM/MVP, Singleton/Observer Pattern) and highly skilled in .NET Entity Framework and SQL with database management systems like SQL Server or MySQL.
- Much Experienced in designing and integrating the applications that are based on OOP and Solid Principles using Azure services such as Azure SQL Database, Azure Cosmos DB, Azure Active Directory, Azure Functions, Azure API Management
- Identify and swiftly resolve technical issues and bugs that surface throughout the development lifecycle using Azure Monitor, Application Insights or other similar tools to ensure the health, performance, and security of deployed services.
- Deliver products on time in collaboration with cross-functional teams, optimized and refactored critical components of the Angular and React application and collaborating and communication with Frontend developers, UX/UI designers.
- Integrate Selenium, NUnit, other tools and relevant processes into the CI/CD Pipeline to ensure seamless integration using tools like Azure DevOps, GitHub Actions or Jenkins, showcasing ability to automate the build, test, and deployment processes.

### Achievements:

- Optimized transaction processing speed, reducing checkout time by 20%, resulting in improved customer satisfaction and increased sales revenue.
- Spearheaded financial system development, boosted operational efficiency by 40%, and cut costs by 20%.
- Successfully integrated secure payment gateways, ensuring PCI DSS compliance and safeguarding customer payment data.
- Designed and implemented an advanced inventory management system that reduced the stockouts by 25% and minimized overstock situations, saving on storage costs.
- Led the enhancement of the bug tracking system, enabling more efficient bug identification, assignment, and resolution, reducing issue by 40%.
- Redesigned the user interface for a more intuitive and user-friendly experience in windows desktop and mobile application (Android, iOS), resulting in a 15% increase in cashier productivity.
- Created a desktop and mobile ordering app for customers, increasing convenience and order accuracy, leading to a 30% rise in mobile orders.

### Skills:

- C#, ASP.NET, .NET Framework, Blazor.NET, .NET Entity Framework, LINQ, Minimal APIs, MySQL, SQL Server, Azure Services, JavaScript, TypeScript, Angular 7+, React, Next.js, Tailwind CSS, AWS, SQL, Azure DevOps, Agile Methodologies.

- Spearheaded the design and implementation of the application architecture, ensuring scalability, maintainability, and adherence to industry best practices.
- Led a team of C# developers, providing technical guidance, mentoring, and fostering a collaborative environment to deliver high-quality software solutions
- Designed and maintained complex database structures, improving data retrieval efficiency and reducing query response times.
- Integrated third-party APIs seamlessly into the application, expanding its functionality and enabling dynamic exchange with external systems.
- Implemented robust security measures, including encryption protocols and authentication mechanisms, ensuring compliance with industry standards and protecting sensitive user data.
- Implemented monitoring tools and practices to proactively identify and address performance bottlenecks, ensuring optimal system responsive.

**Achievements:**

- Led the successful launch of a tax calculation management web and desktop app, reducing errors by 30% and improving patient data management.
- Designed a backend system for tax/calculation and invoice print, resulting in boost of usages rate and sales by 20%.
- Launched a top-rated Xamarin mobile app for a retail client with a 4.5-star rating on Android and iOS stores.
- Developed a healthcare web app, cutting no-shows by 25% through streamlined appointment scheduling.
- Implemented a cloud-based Google platform to enhance real-time data analytics and decision-making.

**Skills:**

- C#, .NET Framework, ASP.NET Core, ASP.NET MVC, .NET Web Forms, SQL, MySQL, Angular, React, Next.js, TypeScript, Html, CSS, GCP

Education

Hongkong University of Science and Technology – KAIST, South Korea

2009 - 2013

- Bachelor's Degree in Computer Engineering
- Courses: Algorithms and Data Structures, Mathematics, Programming Languages, Software Engineering

Certificates

- Microsoft Certified: Azure Developer Associate
- Microsoft Certified: Azure Solutions Architect Expert
- Certified Kubernetes Applications Developer (CKAD)

Languages

- English
- Korean

Skills

- |                                       |                                  |                               |
|---------------------------------------|----------------------------------|-------------------------------|
| • Full Stack Development              | • Cross-Functional Collaboration | • Database Management         |
| • Web Application Design              | • Problem Solving                | • API Integration             |
| • Programming Languages               | • Technology Adaptability        | • Agile Methodologies         |
| • Frameworks (e.g., ASP.NET, Angular) | • Budget Management              | • CI/CD                       |
| • Software Development Life Cycle     | • Quality Assurance              | • Version Control (e.g., Git) |

Competencies

- Proficient in overseeing end-to-end project lifecycles, ensuring on-time delivery and adherence to budget constraints.
- Skilled in writing efficient, scalable, and maintainable code, enhancing application performance.
- Able to create intuitive, user-friendly interfaces for improved customer experiences.
- Capable of identifying and resolving complex technical issues quickly and effectively.
- Experienced in leveraging cloud platforms like Azure for scalable and cost-effective solutions.
- Profound understanding of security protocols and best practices for safeguarding data and applications.
- Expertise in implementing rigorous testing methodologies to ensure bug-free software.
- Adept at managing and optimizing databases for seamless data retrieval and storage.
- Proficient in building robust and efficient APIs to facilitate seamless data exchange.
- Committed to staying updated on emerging technologies, promoting innovation within the team.