**Chih-Ho (Andy) Chou**

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| **Summary** |
| * **A Microsoft Certified Solution Developer (MCSD) with 10+ years of hands-on experience of full-stack SDLC.** * **Deep understanding of concepts of Domain-driven-design and design patterns to achieve best practices of software design with performance, extensibility, and scalability.** * **Hands-on experience and knowledge with Microsoft .NET technologies and tools: C# 4/4.5, ASP.NET MVC 3/4/5 with Razor, MVVM, Knockout.js, Web API/Web Services/WCF, PowerShell, and SQL server 2008/2012.** * **Solid experience in client side and related technologies: jQuery/Promises/Observables/jQuery UI, AJAX/JSON, and CSS styles. Passionate and a self-driven professional currently exploring TypeScript, Angular 2+, Node.js, .NET Core, Android Studio, Ruby on Rails, Django/Python, and React.** * **Experienced in Agile/Scrum team environment with automated incremental builds and unit tests** |
| **Technical Skills** |
| * ***Technologies:***   + ASP .NET and MVC 3/4/5; Web API / WCF services; ADO.NET/Entity Framework   + Asynchronous programming with AJAX/JSON; client-side MVVM programming with Knockout.js and Augular.js   + Responsive web design with jQuery Mobile, Bootstrap, and HTML 5/CSS 3/LESS/SASS * ***Languages***:   + C#, C/C++, Python 3+, Java, Javascript/jQuery, T-SQL, and PowerShell script. * ***Databases:***   + Microsoft SQL Server 2000 - 2012 with T-SQL, Oracle, Sybase, and My-SQL * ***Tools:***   + Visual Studio 2013/2015/2017, SQL Management Studio, TFS/SVN/Git, IIS 6.0/7.0, Fiddler, and Android/Xamarin Studio |

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| **Professional Experience** | | |
| **TEK Systems*,*** *New York, NY*  ***Senior .NET Software Developer*** | **Aug 2016 - Present** | |
| ***Software Consultant - Global Technology Infrastructure, J.P. Morgan Chase, Jersey City, New Jersey***   * Took initiatives on Test-Driven-Development with .NET CORE, Entity Framework Core, and xunit with Moq framework. Deployed .NET Core applications to internal cloud platform using Cloud Foundry CLI. * Implemented a generic DAL(Data Access Layer) by using Repository Pattern with Unit of Work. * Joined an Agile team and started contributing at every facet of software development with continuous integration at Jenkins server and ensured unit test and Selenium test coverage. * SSIS packages and PowerShell scripts for SQL jobs to import and refresh data from Oracle database. * Kendo UI (MVC wrapper and Javascript) / Kendo MVVM with underscore.js as main components for data presentation. | | |
| **IntegriData Business Solutions***, New York, NY*  ***Senior Application Developer*** | **Oct 2015 - Aug 2016** | |
| ***Project name: CashWire Security Transfer Integration with Fidelity PBO System***  *Leading the development of system integration with Fidelity by building a RESTful Web API solution.*   * Built and exposed Web API services from security transfer module of our CashWire system based on client requirements . * Implemented customized authentication and authorization using filters. * Implement a generic DAL(Data Access Layer) by using repository and unit of work patterns.   ***Project name: VMS (Vendor Management System)***  *VMS is a web-based application for managing vendor invoices with data-driven work flows.*   * Implemented a data-driven and configurable approval work flow module for each data entity defined in the system. * Re-engineered system authentication and authorization for enhanced security. * Frameworks/tools: MVC 5, Entity Framework 6.1, and Telerik Kendo UI for MVC. | | |
| **The Segal Group***, New York, NY*  ***Application Developer*** | **Nov 2013 - Oct 2015** | |
| ***Project name: Ref360 - NHL***  *Ref360(www.ref360.com) is used by leagues to assess the performance of referees on a decision-by-decision basis to improve training, enhance, development, and demonstrate accountability.*   * I am the lead developer who communicates with project managers as well as business users on a daily basis to gather requirements then design and implement required features. * Proposed and preached the ideas of MVC with Entity Framework for a more robust and scalable object-oriented and test-driven solution. * ASP.NET MVC 4 with Entity Framework 5(Code-First) as the ORM tool. * Client side MVVM data-binding: Knockout.js – for achieving mini SPA (single page application)   ***Project name: CMS Mobile***  *CMS Mobile was built based on CMS web application, which provides content managing as well as reporting for our financial division. It was integrated to the web application to support mobile users.*   * Frameworks: jQuery/iQuery UI, jQuery Mobile, and Entity Framework. * Used media queries with CSS3 to achieve a RWD (Responsive Web Design) for a mobile friendly website. * Re-structured and designed the application to plug in the mobile feature without affecting existing website | | |
| **Practising Law Institute***, New York, NY*  ***Application Developer*** | **Feb 2012 - Nov 2013** | |
| ***Project name: WMS***  *WMS is an internal web-based application to support our daily business operations such customer relations, payments/billing, and other important business logics.*   * Used Proxy pattern along with services to communicate with business layer. * Communicated with developers who worked on this project on a daily basis to understand business rules and logics. Took over the project eventually. * Used LINQ To SQL as the ORM tool for mapping entities to database as well as LINQ queries.   ***Project name: PLI iPad***  *PLI iPad is newly developed application dedicated to iPad using jQuery Mobile technology. This App is being used as a user sign-in service upon the arrival of their training classes.*   * ASP.NET MVC 3 with jQuery Mobile. * Used jQuery Mobile to develop and achieve RWD (Responsive Web Design). * Worked closely with lead developer to turn users’ feedbacks into implementations. | | |
| **BrandWizard***, New York, NY*  ***Software Developer*** | **Feb 2011 – Feb 2012** | |
| ***BrandWizard is a wholly owned subsidiary of InterBrand – a leading brand consultancy owned by Omnicom Inc. BrandWizard provides customized and user friendly digital brand asset management system.***  ***Project name: Batch Asset Upload***  *Batch Asset Upload is a Win-Form application utilizing third party image process engine to process a batch of image assets provided by clients to extract metadata and generate previews.*   * Employed Abstract Factory Pattern in .NET C# to enable easily switching between different image process engines. * Used asynchronous programming to let the long-running process running at the background and monitored overall progress.   ***Project name: Toolkit***  *Toolkit is a content management web application that lets users manage their marketing materials. The application uses Web/WCF for image processing such as thumbnails and file versions.*   * Used .NET Provider Model to implement user membership as well as sitemaps. * Established service calls to web/WCF services for image processing. * Communicated closely with business analysts to gather specs then customize the solution for each client. | | |
| **Coleman Research Group***, New York, NY*  ***Software Developer*** | **Jan 2007 - Jan 2011** | |
| ***Coleman Research Group is an expert network service that connects institutions with industry experts through consultations to facilitate primary research. Clients include largest mutual funds, hedge funds, and private equity firms.***  ***Project name: Scheduler***  *Scheduler is a web-based application that allows developers to schedule company-wide tasks such as Email notifications and reports. The web-based UI also allows developers to force tasks to run at anytime in case of failures.*   * Used C# .NET threading to let the main thread wake up every minute to see if there are any tasks scheduled at the time. If yes, then child threads are created for each task and run. * Implemented a logging mechanism for error tracing. Designed database schema in Microsoft SQL Server 2005 for storing logging and error information. * Applied factory pattern for tasks so the task instance is generic and extensible.   ***Project name: CRG Advisor – payment module***  *CRG Advisors is a web-based application that allows new experts to join our Executive Forum and existing experts to view and manage their status such as contact info, consultation history and schedule, and bill information.*   * Designed and implemented payment module. Designed database schema and encrypted sensitive payment info in database. * Communicated with both business users and accounting department to gather requirements. * Used ASP.NET Update Panel to create more responsive and user friendly front end.   ***Project name: Accura Admin***  *Accura Admin is a web-based application that is designed specifically for our accounting department to support and facilitate their routine works such as payments, sales commissions, and company expenses and revenues.*   * Used C# .NET to implement an engine to calculate commissions for company’s researchers and sales. * Used Factory Pattern to define a high level abstract class and different concrete implementations. * Worked closely with CFO to understand business rules and requirements then implemented them into a web-based solution.   ***Project name: DAF (Data Access Framework)***  *DAF is a custom implementation of Object-relational Mapping that allows developers to interact with database in object-oriented manners. It also supports custom type mapping to allow developers to have granular controls on database.*   * Used C# .NET Reflections to map database tables to objects. * Used ADO .NET in C# to support database operations such as SELECT, INSERT, UPDATE, and DETETE. * Worked with CTO, who designed and implemented this solution, to understand the purpose of having a database layer between data source and business layer. | | |
| **Dealogic***, New York, NY*  ***Jr. Software Developer*** | | **Mar 2005 - Jan 2007** |
| ***Project name: Dealaxis***  *Dealaxis is a multi-dimension, integrated system embedded with Microsoft ASP and ASP .NET technologies. It has been providing efficient workflow and enhancing streamline operation for business solutions.*   * + Worked closely with business analysts to understand clients’ business needs; then implementing and designing solutions on front end as several presenting formats (HTML, Word, Excel, and PDF).   + Managed multiple projects concurrently including participating in migrating products from ASP to ASP .NET. | | |

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| **Education** | |
| **New York University***, New York, NY* | **2002-2004** |
| * ***Computer Science, Master of Science*** | |
| **Da-Yeh University***, Chung-Hwa, Taiwan* | **1997-1999** |
| * ***Bachelor of Science*** * ***Majored in Food Science*** | |

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| **Professional Certifications** |
| * ***MCSD (Microsoft Certified Solution Developer) - Web Applications (Certified: Sept. 2016)*** * ***Microsoft Certified Technology Specialist - .NET Framework 4, Web Applications*** * ***Microsoft Certified Technology Specialist - .NET Framework 3.5, ASP.NET Applications*** * ***Microsoft Certified Technology Specialist - .NET Framework 3.5, ADO.NET Application Development*** * ***Microsoft Certified Technology Specialist - .NET Framework 3.5, WCF Applications*** * ***Microsoft Certified Technology Specialist - .NET Framework 3.5, Windows Form Applications*** |