**Erik Cheatham**

https://linktr.ee/erikcheatham

**Career Summary**

Fourteen-year Full Stack Software Engineer with experience in .NET Framework, .NET Core, C#, MVC, Web Forms, Blazor, Xamarin Forms MVVM, UWP, WinForms, Windows Service, Web Service, WCF, SOAP/REST API, SQL, Entity Framework, Dapper ORM, JavaScript, jQuery, Angular, TypeScript, Bootstrap, React, Aurelia, Java, Python, Node

**Work Experience**

02/2019 - 08/2023 **.NET Software Architect (Full Time) Chicago, IL**

*Optimas OE Solutions*

Came aboard and gathered requirements from all supply chain groups and re-architected entire application streamlining communication between internal groups, external supply vendors, and customers complete with audits and tracking for both swim lanes

* Single handedly assessed and implemented Azure DevOps kanban board with business analyst tracking user stories, features, bugs throughout development to deployment
* Created informational process displaying new release changes on home screen in real time
* Identified Help Desk repetitive ticket issues from users and implemented fixes or new admin features reducing need for constant maintenance from offshore administrators in India
* Architected a second application for assigning Active Directory privileges assigned to new hires, raised by HR, and approved by managers in a Blazor server application
* **Technology**: Visual Studio 2019-2022 C#, .NET Core 3.1 Blazor, .NET Framework, Web Forms, Azure Dev Ops, Kanban board, Git, ADO.NET, JavaScript, jQuery, Bootstrap, Entity Framework, Dapper ORM, async C# for Blazor, Infragistics and open-source Radzen toolkit

04/2019 – 01/2024 **.NET Software Architect (Contract - Weekends) Chicago, IL**

*Daughters of the American Revolution MTF Volunteers Group*

Architected and manage an Azure app service, SQL server and blob storage for coordinators to manage genealogical applications for national DAR, version 4 rearchitected for IL state DAR

* Four iterations creating specifications, mockups, and concepts through meetings
* Cloud based in Azure at lowest cost possible to host assets
* All open-source tools - SendGrid Email API for Email service, MVC WebGrid for reporting & EPPlus for report downloads
* Version 1 six-month build out in 2019 from April to October with .NET Core 2.1 MVC
* Version 2 upgraded to .NET Core 3.1 Blazor server in 2020 and replaced MVC WebGrid with Radzen toolkit, and EPPlus with ClosedXML
* Version 3 in Q1 2023 upgraded to .NET 6 Blazor server
* Version 4 in January 2024 upgraded .NET 8 Blazor and rearchitected for IL state
* **Technology**: Visual Studio 2019-2022 C#, .NET Core 2.1 MVC, .NET Core 3.1 Blazor server, .NET 6-8 Blazor server, EF Core, Azure Dev Ops, JavaScript, jQuery, Bootstrap, MVC WebGrid and EPPlus NuGet, async C# for Blazor, Radzen toolkit, ClosedXML

08/2018 - 02/2019 **Assistant Director of Engineering (Full Time) Chicago, IL**

*Magenium Solutions LLC*

Managed client and internal project timelines, new feature requests and mentored two developers

* Microsoft Gold Certified shop working on cutting edge Azure features
* Azure DevOps pull request code reviews complete with CI/CD pipelines for deployments
* Rewrote internal digital signage platform from .NET Framework 4.5 to .NET Core 2.1
* Created a help desk chat bot for client designed to replace common help desk operations
* **Technology**: Visual Studio 2017 C#, .NET Core, .NET Framework, Web Forms, MVC, Web API, WinForms, Azure Dev Ops, CI CD Pipelines, Web Jobs, Functions, Azure Service Bus, Azure Active Directory, Kanban, Signal R, Azure IoT Hub, Redis cache, Azure BotFramework, Git, Entity Framework, EDI, JavaScript, jQuery, Syncfusion toolkit

10/2017 - 08/2018 **Director of Engineering (Contract) Chicago, IL**

*EazyScripts Technology LLC*

Managed timelines, two development teams, pull requests, CI/CD pipelines, technical support, onboarding new clients, and development of new features as directed by the board of directors

* Maintain Azure multi-tenant web service gateway and three version API, SwashBuckle and Swagger for real time API documentation, Web Jobs, VSTS Build definitions, GitHub source control, Repository data layer, Unit of Work and DTO transfer to Angular 6 front end, multiple third-party API services, audits, logging, Postman API storage
* Dev, staging, demo, and prod layer tiered development with single tenant client databases
* Managed, led, and mentored two teams of four developers, one team for React native mobile application and one team to help support all other development and Tier 1 technical support
* **Technology**: Visual Studio 2017 C#, .NET Core, MVC, Web API, Azure VSTS, CI CD Pipelines, Web Jobs, Angular 5-6, TypeScript, Git, Swagger, SwashBuckle, ADO.NET, Entity Framework, Dapper ORM

12/2016 - 10/2017 **.NET Senior Software Engineer (Two Contract Projects) Chicago, IL**

*Dow Chemical Company*

**Information Research Project**

Led team of two junior developers working with product owners to upgrade and migrate a document management platform from on-prem to the Azure cloud

* Concepts presented in PowerPoint and created prototypes with Axure mock-ups
* Scaffolded application, architecture, and deployment configuration in Azure DevOps pipelines, demonstrated pull request build process and deployment audit checking
* Learned Aurelia, Gulp, TypeScript, and Node package management, then mentoring two juniors on process and code management with Git, Gulp, and Visual Studio Aurelia project integrations while reporting to product owners
* Maintained project deadline expectations and delivered on deadline
* **Technology:** Visual Studio 2017 C#, .NET Core, MVC, Web API, TFS, Aurelia, Typescript, Git, Gulp and Node

**Enterprise Mobility Project**

Coordinated with architect, lead, scrum masters, designers, and developers in Agile environment to deliver cross platform mobile application for sales team

* Xamarin Forms MVVM for cross platform mobile app targeting iOS, Android & UWP
* Microservice Web APIs used in email and PDF creation
* Built in house GitHub mobile UI control library with controls like Cards, Jump List, Multi-Select List, Pull-To Refresh, Expansion Panels - StrapUp.Forms in my Github account
* Use Azure cloud-based technology and Xamarin Test Cloud for integration testing
* Agile process with scrum master, daily standups, planning and retrospectives
* **Technology:** Visual Studio 2017 C#, .NET Core, Web API, Xamarin Forms MVVM XAML, UWP, Azure SQL, Entity Framework, Xamarin Test Cloud, GitHub, async C# micro services

12/2015 - 12/2016 **.NET Senior Software Engineer (Full Time) Chicago, IL**

*SmithBucklin*

Automated company application responsible for bar code badges facilitating on site check in at client association conferences and events

* Implemented Repository Pattern with .NET MVC and Entity Framework
* Created set of administration pages for Client Managers to be able to setup jobs
* Leveraged Dapper with Entity Framework to generate SQL queries through dynamics and reflection for speed and entity object mapping
* Built internal APIs and consumption of six vendor CRM APIs
* **Technology**: Visual Studio 2015 C#, .NET Framework, MVC, SQL, Visual Studio, IIS, ColdFusion, DotNetNuke, TortoiseHg, Jenkins, JavaScript, jQuery, Bootstrap, Entity Framework, Dapper ORM

06/2015 - 12/2015 **Chief Technology Officer (Equity Contract) Chicago, IL**

*Plate Park LLC*

Development of platform to identify entrance and exit license plates at demo site parking garage consisting of web, API, IP cameras, mobile and reporting applications while managing two third party vendors and integrations with their platforms

* Led the technology direction while building out a vision with company leadership
* Consulted with three separate teams and built out our go-between internal applications
* Designed algorithm for better Optical Character Recognition
* Created tablet applications for parking garage entrance and exit tablets
* Windows services, WinForms reporting, Windows sockets, and universal device applications
* Consumed and Pushed data and images to a Linux based REST API
* **Technology**: Visual Studio 2015 C#, .NET Framework, Win Forms, UWP, Windows Services, Win Sockets, REST API, SQL, XAML, Postman, ADO.NET, Entity Framework, Ubuntu Linux

06/2015 - 12/2015 **AngularJS Software Engineer (Contract - Weekends) Chicago, IL**

*Inventum Digital Gearhead Workspace Group*

Developed the Angular front-end of an open-source mobile and desktop application for a car enthusiast workspace interacting with the Motor.com API for all car information

* Implemented all AngularJS front-end
* Styled Interface to customer specifications
* Worked with Motor.com developers over the phone to create API signature handshake in JavaScript with Google cryptography package
* **Technology**: Angular 1.6, StrongLoop, Loopback, MongoDB, Express, Node, JavaScript, Sublime, Git, Motor.com REST API

04/2014 - 05/2015 **.NET Software Engineer (Contract) Chicago, IL**

*Leading Real Estate Companies of the World*

Rearchitected pieces from our vendor-based e-learning platform along with on-prem components already built and combined into an enterprise system in the AWS cloud for delivery of certifications to real-estate agents according to SCORM standards

* Managed project timeline with director, lead, database admin, systems admin & developers
* Built SOAP webservices and Web APIs to facilitate taking courses online
* Used Umbraco CMS and learned the library, MVC concept and Razor syntax
* Worked with lead, content managers and systems admin to integrate course materials into AWS content delivery network and into existing systems
* Worked with lead to build application using AWS Transcoder to create videos in low, medium, and high-quality videos to deliver specific device/bandwidth properly
* Collaborated with front-end developer on look and integration with registration system
* Worked with back-end developer on email system
* Worked with database admin on data siphoning and report generation in ADO.NET
* Worked with help desk for administration pages front-end and the needs of realty managers
* **Technology**: Visual Studio 2013 C#, .NET Framework, Web Forms, MVC, Web API, SQL, ADO.NET, IIS, SOAP Web Services, TFS, Entity Framework, AWS, WCF Storm, Fiddler

01/2012 - 04/2014 **.NET Software Engineer (Full Time) Chicago, IL**

*Anthem Marketing Solutions*

Oversaw the company website and IT operations for the second largest client on retainer

* Project managed a developer for a Google map display of marketing metrics on polygons
* Automated a twelve-step process to update marketing data every weekend
* Participate with marketing analysts on calls to deliver client expectations
* Mentored marketing assistants on basic front-end programming
* Designed and maintained Facebook and Twitter social media datasets through OAuth
* **Technology**: Visual Studio 2012-2013 C#, .NET Framework, Web Forms, SQL, IIS, jQuery, JavaScript, AJAX, SAS, Python, OAuth

07/2011 - 12/2011 **.NET Software Engineer (Contract) Chicago, IL**

*Daughters of the American Revolution Chicago Chapter*

Developed web application for member information management and display

* Built pages that could add, delete, and change information for use by an administrator
* Accurately display sensitive information to the open internet based on admin selections
* **Technology**: Visual Studio 2010 C#, .NET Framework, Web Forms, SQL, IIS, AJAX

04/2010 - 04/2011 **.NET Software Engineer (Personal Project) Chicago, IL**

*News Blogging Forum*

Based on Jürgen Habermas’s idea of the public sphere, created a website for user generated content in the form of storybook blogging, with a forum for real-time social interaction of commenting/sharing, while focused on user experience, interactivity, and scalability

* **Technology**: Visual Studio 2010 C#, .NET Framework, Web Forms, SQL, jQuery, JavaScript, AJAX, CSS, RSS, and XML

**LinkedIn Learning**

11/2023 **NET Fundamentals: Concepts, APIs, and Libraries in the NET Framework**

*Taught by Walt Ritscher*

11/2023 **Microsoft Azure Fundamentals (AZ-900)**

*Taught by Kunal D Mehta*

Cert Prep: 1 Cloud Concepts

Cert Prep: 2 Azure Architecture and Security

Cert Prep: 3 Azure Services

Cert Prep: 4 Azure Management and Governance

12/2023 **.NET Big Picture: Front-End and UI Development (.NET Desktop Apps)**

*Taught by Walt Ritscher*

12/2023 **Introduction to Blazor**

*Taught by Jeff Fritz*

**Volunteering**

2009 **GED Math Tutor**

Successfully tutored 12 people in passing GED Math test portion

2003-2004 Summers **YMCA Camp Counselor**

Oversaw and led all three primary age groups of boys, grammar, middle, and high school

Switching each week between age and activity groups on-site

Some weeks also off-site on day or weeklong trips

Learned skills from bike, horseback maintenance to archery, crafts, rock climbing, etc.

**Education**

05/2011 **Harry Truman City College of Chicago**

AAS in Computer Information Systems

Phi Theta Kappa Honor Society 3.8 GPA

05/2005 **DePaul College Prep**

Graduated with honors 3.5 GPA

2002 Summer **Space Academy U.S. Space and Rocket Center in Huntsville, AL**

Learned about all aspects of space travel from vehicles involved to training procedures