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Skills

C#, .NET 6/7/8, .NET Core, Microsoft Azure, .NET Web API, .NET Web Forms, .NET MVC, Entity Framework Core, LINQ, xUnit, Azure, AWS S3 Bucket, AWS Lambda, Azure DevOps CI/CD, Microsoft SQL Server, T-SQL, MongoDB, PowerShell, Docker, Angular 16/17/18, Bootstrap 5, Angular Material, HTML5/CSS3/SCSS, VB.NET, ASP.NET, Git, GitHub, GitHub Actions, Agile/Spiral methodologies.

Experience

Senior Software Engineer | *November 2022 – Present*

Infoed Global (Remote)

- Rewrite main Infoed ERA Software platform from VB.NET to C#. Resolute is designed to alleviate past business problems that have plagued Infoed Proper and work as a stand-alone version that utilizes the same database with alterations as needed utilizing Entity Framework migrations. Throughout my employment I have maintained top company metrics and contributed strategic development knowledge for software re-writes through Agile/Spiral software methodology work specifications. The main technologies used throughout development are a REST JSON API using .NET 8 utilizing SQL Server.
- Worked corporately with 2 other developers on the creation of a dynamic electronic form builder. The electronic form builder allows users to create a custom form and allow research administration personnel to dynamically fill out information for various data entry processes throughout an institution's grant life cycle.
- Played a major hand in the main client-side routing structure of the Angular SPA to encompass 5 major areas and their submenus to the Resolute platform. Worked hand in hand with 2 UI/UX developers on the overall feel of the application.
- Provided bug fixes and small feature fixes throughout the application SDLC as continuous integration happens on the platform. This includes but is not limited to SQL Server performance problems, Entity Framework limitations on parallel IO, small UI implementations like tooltips and extra data fields in an application wide standardized grid.
- Maintain clean architecture throughout with appropriate design patterns throughout development efforts (Singleton, Dependency Injection, Repository, Factory, and Specification).

Senior .Net Developer | *February 2022 – August 2022*

FTC LLC (Remote)

- Provided software consulting expertise, participated in client scrum planning meetings, and enhanced VB.NET and C# .NET applications.

- Performed the initial analysis and development of migrating JavaScript ActiveX objects to jQuery querying a VB.NET background. The application was a critical step in a documentation queue system and allows users to review financial records.
- Took direction from leadership and collaborated with Systems Engineers for application production support. Ensuring the smooth operations of all systems, I handled issues related to small bug fixes and working with System Engineers during production outages.
- Passed Public Trust for Veteran Affairs Financial Services Center by onboarding with mandatory HIPPA training, as well as federal compliances and regulations.

Software Engineer III | November 2021

Atlantic Pacific Processing Systems (Las Vegas, NV)

- Helped onboard new junior software employee by mentoring him on the fundamentals of IIS. His previous background had been in desktop applications. Explained the fundamentals of active directory account authentication to application pools, application pool user accounts, virtual directories, and applications.
- Increased the test code coverage to ensure resilience for an ACH Payment processing analyzation dashboard.

Software Developer | July 2021 – September 2021

Onovative LLC (Remote)

- Worked in a on-premises credit reporting application written in .NET MVC, React, and PostgreSQL. The application was the main dashboard presented to the user's at the client site. It encompassed user profile functionality, reporting, and creating / managing marketing campaigns.
- Worked cooperatively with another team member to converted Node.js AWS Lambdas to C# .NET Core AWS Lambdas. Planned initial project layout, and inheritance scheme.
- Converted 2 small Ruby on Rails JSON REST API routes to C# .NET Core JSON REST API.

Software Developer | January 2021 – July 2021

RWK IT Services (Remote)

- Consulted and spearheaded on the continued development of SmartSource IT Staffing Prebilling grid. The grid was a reporting mechanism that filtered and queried data to differentiate the billable hours associated with technicians that were hired and employed my SmartSource IT Staffing. The grid system utilized JavaScript and Knockout.js, with a N-TIER architecture .NET MVC application querying SQL Server with Entity Framework.
- Consulted and converted .NET Core 3.1 to .NET Core 5.0 for Commission on Collegiate Nursing education. The API was a minimal authentication system that had two dashboards operating at the time. I also developed the 2FA email authentication for this system. Designed to send the email with a token signed by a RSA key pair.
- Provided expertise in Angular development for CD Data Exchange internal company product. The project was a SPA SASS product that maintained a catalog of technol training videos and discussion for post-secondary education opportunities.

Software Developer | June 2020 – Aug 2020

Cascade Financial Technology Corp (Remote)

- Worked on the Cascade Cloud main API being converted from .NET 4.6 API to .NET Core 3.1 in C#. This API was responsible for handling ACH payment transaction data and interfacing with our third-party payment provider Galleo. I also created a bash script to piece the project together based on project references to automatically compile for the next developer. Helped to ensure PCI compliance by running VeraCode scans.
- Was responsible for implementing a repository for the Cascade Encryption Keys associated with handling Social Security numbers. Performed SQL Stored Procedure and Table Migration to Entity Framework so the API would interface with a unified ORM solution.

Staff Software Engineer | Mar 2020 – June 2020

[Telos Identity Management Solutions LLC \(Remote\)](#)

- Developed a networking security internal application to automate Cisco CLI commands for a GeolP application during the COVID-19 lockdown. This allowed network engineers to get various configurations for a large subset of hardware in a short period of time, improving their efficient during the health crisis. C# .NET MVC , SQL Server, Entity Framework
- Worked in the IHS Security NOC and passed a Public Trust for Indian Health Services by completing mandatory HIPAA training and Splunk training.

Application Programmer | June 2018 – September 2019

[www.briefing.com \(Chicago, IL\)](#)

- Involved in the rebranding of the Briefing Investor site. Requiring modernizations on the backend and front end and in internal company applications. Was responsible for creating the JSON data structure written to a distributed file system through an XML/XSLT transformation. This piece of data is represented on the In Depth Analysis page on the site and get's FTPed to hundreds of financial institutions on a daily basis. Contributed to a load-balanced Azure Virtual Machine environment, converted Visual-Studio solutions to newer versions, and implemented various internal facing features for new website functionality.
- Worked in a heavy database orientated environment with 7 databases 3 of which were replicated databases through SQL Server publish and scribe replication. Inserted XML/XSLT file path information into SQL Server configuration tables to be utilized by the proprietary queue system that performed scheduled jobs to generate website and partner content.
- Helped ensure PCI compliance policies by reviewing credit card tokenization and encryption standards. Reviewed company taxation policies in various state and countries to gain a better understanding of the company system as a whole.

Developer | June 2017 – January 2018

[www.ezlocal.com \(Lombard, IL\)](#)

- Reported to VP of Technology for website features and mobile application development.
- Created the company's first PCI compliant mobile application for outside sales representatives to sign up new clients. The sign ups were then routed internally for review by administration and management staff through a .NET Web Forms application.
- Production support for ezlocal.com website. Created an events calendar that queried information from a third-party API and allowed registered users to create their own events and earn points.

Implemented a small weather widget, upgraded to .NET 4.8 to utilize async await syntax. (.NET Web Forms, C#, .NET MVC, SQL Server, AWS, Azure).

Freelance Software Developer | Feb 2017 – June 2017

Sound Works Productions (Remote)

- Spearheaded design and software implementation of local network simultaneous interruption event software using Node.js, React.js, Socket.IO, and Raspberry Pis.

Network Technician | Feb 2016 – Jul 2016

Turnkey IT (Wheeling, IL)

- Support SMB clients in a variety of industries (legal, healthcare, industrial, hospitality, etc.) with server administration, network administration, help desk support. (Window Server, IIS, Sophos, Office 365)
- Maintained top company metrics with short stint at company.

Field Technician / Project Manager | Aug 2012 – Mar 2015

Superheat FGH (Remote / New Lenox, IL)

- Managed Day and Night shift resources on Panda Liberty Power Project.
- Filed out client daily work hours, recorded man hours, daily communication with Canadian control center.
- Obtained security clearances from NRC and TSA.
- Electrical and network repair for on-site telecommunication equipment on 802.11G networks.

Education

University of Central Florida

2016 | Full Stack Web Development Certificate

Illinois State University

2012 | Business Administration

Open-source Projects

Cryptographic API Services – Cryptography platform that provides custom made user authentication to developer tool SDKs. The SDKs also provide a free-tier implementation of the RustCrypto suite of cryptographic algorithms. Created a Discord LLM bot to handle documentation requests for CAS. 5k downloads on Nuget.org for C# SDK.

.NET Web API, Docker, C#, TypeScript, JavaScript, Angular, Rust, Langchain, Deno, Oak, PostgreSQL
<https://github.com/orgs/Cryptographic-API-Services/repositories>