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Career Summary

- Over the course of 10+ years as a professional software developer, I've seen many creative ways to solve development challenges. I came up through the ranks of web development from the HTML/Javascript days of wrestling with Internet Explorer to Classic ASP/jQuery to Microsoft ASP.Net MVC and Web API, to present-day front end libraries like Angular, and the formidable power that is cloud computing.
- Tech Stack: Angular, C#.Net, SQL Server, AWS. Also node.js, MySql, Oracle, and studying Azure. Most recently in the health care sector, but also large direct-mail marketing, insurance and transportation sectors).
- Work Continuity: I've been continuously employed as a software developer, without breaks until my recent layoff. During my five-month layoff I kept busy getting certified: I took Plural Sight / A Cloud Guru courses in AWS, then passed the Architect and Developer Associate exams. I'm currently focused on Power Platform and Azure Developer certification exams.
- Everything else: I'm fully versed in modern software engineering practices and Agile processes, and I am proficient in the ancillary tools and products to work efficiently and remotely. These include Slack or Teams or Office for communications and meetings, git and Team City for code management and deployment, and Liquibase and VS Data projects for metadata management. I've created designs using Visio and draw.io, written solid code using Visual Studio and Code, created technical documentation using Confluence - and mentored junior developers in using all of the above. I even took CAP/M Project Management pre-certification training and learned how to organize and present key data to management.

Key Accomplishments

- Demonstrated success in full stack web development for over 10 years.
- Passed several certification exams: Microsoft (C#, SQL Server) & AWS (Architect and Developer Associate). Currently pursuing Azure (Developer and Database Engineer).
- Adept in communications with stakeholders, product managers, QA's and senior staff.
- Track record mentoring junior developers to work tickets, do git branching, write clean code, and to understand the rules of professional programming that are not taught to them in college.

Professional Experience

Software Developer III

Centers for Medicare and Medicaid Services

Health Care - HPMS application used by medical providers to request approval of provider plans.

Jan 2025 - Present

- Implementing current year changes for Center for Medicare and Medicaid Advantage: Helath Plan Medical Systems,.
- Creating table-driven functionality for Medicare Part D Plans.
- Passed Confidential Information background investigation.
- Multiple Tech Stacks:
 - Angular, Node.Js, Oracle + MySQL,
 - Angular, C#.Net, SQL Server

Senior Platform Engineer

Real Time Medical Systems

Health Care - Web application installed into hundreds of nursing homes and health systems.

Mar 2021 – Aug 2024

- Coded key applications and offline AWS systems on the Feature Team.
- Mentored junior developers in Sustaining Engineering troubleshooting and development.
- Integrated code changes and advocated design suggestions created by the Offshore Team.
- Tech stack: AWS Lambda, Angular, C#.Net API, SQL Server, and High Charts.
- Projects Include:
 - Primary Nursing Home and Health Systems Application
 - Developed and optimized the primary client-facing web application. This application improved patient care by recommending treatments and providing charts and reports containing patient vitals, labs, diagnoses, and analytics, actually saving lives.
 - Supported nursing facility billing processes and helped struggling businesses bill for all eligible services under new federal regulations.
 - Maintained API for new versions of the mobile application, increasing our software footprint nationwide.
 - Offline AWS Processes and Microservices
 - Created an AWS step machine with C#.Net Lambda functions to stage denormalized reporting data offline, optimizing web application reporting response times.
 - Optimized the process that created push notifications to mobile application users, providing key billing and patient-care alerts.
 - Maintained microservices for offline report-creating, which decreased the critical seconds between when users click on a web page and then see their requested data.
 - Sustaining Engineering Team
 - Mentored two junior developers, researched and documented key technical processes, and served as senior developer until the team became operationally mature.
 - Managed and monitored Azure CloudWatch Alarms and dashboards.
 - Created Logs Insights queries and trained junior developers to use them to troubleshoot our distributed systems: AWS data-ingestion glue jobs, T-SQL data-massage procedures, C# API, and Angular front end code, with embedded High Charts.

Full Stack Developer

Veterans United Home Loans

Mortgage Company - Loan applications and home owners' insurance applications.

Mar 2020 – Mar 2021

- Updated primary client-facing mortgage pre-qualification application using Angular 8 and C#.Net Core API. This application is the most-used in the veterans mortgage sector.
- Created an insurance-application web application for new mortgage customers.
- Employed Extreme Programming practices, including test-driven development and pair programming within an Agile environment.

Full Stack Developer

Mixon Hill

Intelligent Transportation Services - Developing advanced vehicle control systems.

Aug 2019 – Mar 2020

- Led updates to a traffic signal communication system using Vue.JS, C#.Net MVC, and SQL Server, increasing efficiency between street-side devices and mobile receivers.
- Drove cultural changes within the team by introducing Agile methodologies.

Web Developer

American Academy of Family Physicians

Administration of physician continuing education.

Mar 2019 – Jul 2019 (Limited Duration)

- Converted the CRM application from NetForum to Salesforce CRM
- Successfully completed the conversion ahead of schedule.

Web Developer

FreightQuote / CH Robinson

Transportation Industry - Web application to coordinate freight shipments.

Oct 2018 – Mar 2019 (Limited Duration)

- Maintained and updated APIs in C# and JavaScript for an enterprise-scale transportation-scheduling applications.
- Utilized Jenkins and Octopus for deployments and code testing coverage.

Contract Web Developer

Nations Holding Company

Title Insurance, Flood Certificates.

Nov 2017 – Oct 2018

- Updated the ordering system to help customers obtain flood certificates nation wide.

- Created an SMS messaging application to notify customers of certificate status updates.

Programmer

Hallcon, Inc.

Railroad crew transportation.

Aug 2012 – Nov 2017

- Developed a C# API for mobile app integration, increasing transportation efficiency.
- Contributed to dispatching system development with the Toronto team using C#.Net.
- Two-person team maintained a set of B2B applications that ordered and tracked crew transports for all three large U.S. railroads, plus the two largest in Canada, using Microsoft Visual FoxPro!

Programmer

Online Apps, Inc.

Direct mail marketing

2012

- Created T-SQL stored procedures and SQL Server database objects to implement localization and migration routines, increasing mailer output to giant swaths of marketing targets in several different foreign languages.

Contract Programmer

Bonneville Power Administration

Federal power agency.

2011

- Enhanced a distributed Client/Server Windows application to manage line repairs, including schedule, progress and completion of repair orders.
- Developed SQL Server Reporting Services reports for line repair inventory.

Contract Programmer

Oregon Department of Transportation

State transportation department promulgating data: road and weather notifications,

2010

- Created WCF web services and enhanced the Transportation Operations Center System web application. App is used to notify the public of road closures and weather events.
- Developed SSRS usage reports for management.

Skills and Competencies

- Advanced problem-solving skills and a strong foundation in software engineering principles and Agile.

- Experience with asynchronous, event-based systems and cloud-based microservices.
- Demonstrated ability to design and develop complex software solutions and to advocate for best practices.
- Strong communication skills, with experience in mentoring and team development and team collaboration.

Education

- B.S. in Computer Science, *magna cum laude*, William Jewell College, Liberty, MO
- AWS Certified Solutions Architect – Associate, Developer (Cert# AWS04451634)
- Microsoft Certified Technology Specialist (MCTS): C#, SQL Server, Web Development (Cert# 347569)
- Certified Associate in Project Management (CAP/M)

Technical Skills

- **Full Stack Development:** AWS (Lambda, Step Functions), Angular 8, Vue.JS, React, Knockout.JS, C#.Net Core API, SQL Server, MySQL.
- **Web Development:** C#.Net MVC, ASP.Net, VB.Net, IIS, WCF, KendoUI, JavaScript, jQuery, Vue.JS, Angular
- **Database Development:** T-SQL, Oracle PL/SQL, MySQL, Visual FoxPro, nHibernate, FileMaker Pro, Access.
- **Cloud Development:** AWS, Azure, Terraform, Step Machines, Lambda, Azure Functions
- **Desktop Development:** Visual Studio, C#.Net, Visual Basic, Windows Services
- **OOAD:** Class diagrams, state charts, sequence diagrams, activity diagrams, deployment diagrams.
- **OLAP:** SQL Server Reporting Services, Cognos Impromptu.
- **Other Technologies:** Git, TFS/VSO, SVN, SourceSafe, CVS, Vault, Perforce, Entity Framework, Jira, GitHub Enterprise, Pivotal, TeamCity, Basecamp, ZenHub, Twilio API, Confluence, Visio, VS Code, Typescript, Splunk, WebStorm, RabbitMQ, Grafana, Camunda, ServiceStack, Jenkins, Octopus, Swagger, LaunchDarkly, Kronos, C, PL1, Pascal, FullStory, BrowserStack, BlitzDocs, Thycotic, Slack, Sococo, Bitbucket, Microsoft Teams, FullStory, Liquibase, Oracle SQL Developer, MySQL Workbench.
- **Methodologies:** Agile, Rapid Application Development, Rational Unified Process, MacroScope, Waterfall.