

# Cindy R Johnson

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- [linkedin.com/in/crjcodes](https://www.linkedin.com/in/crjcodes)
- [www.codeonward.com](http://www.codeonward.com)
- [github.com/crjcodes](https://github.com/crjcodes)

## Remote Senior Software Engineer

- Expertise in development, database, testing, pipeline, and investigative skills
- Diverse experience – cloud, scrum, process, leadership, architectural, design, more
- Advocate for better practices, team-building, efficient and organized work

### Tech

#### Cloud

Azure App Services, App Functions, App Config, KeyVault, VM, Devops, AKS, Kubernetes

#### CI-CD

Azure DevOps, GitLab, GitHub, YAML, VM, AKS, Helm, Docker, Containers

#### Security

Duende Identity Server, ASP.NET Core Identity, OAuth

#### Principles

Agile, Scrum, TDD, BDD, IDesign, Scrumban, waterfall

#### Patterns

Microservices, pub-sub, IoC, DI, factory, builder, n-tier, monolithic

#### Messaging

Azure Service Bus, RabbitMQ, MQTT

### Experience

#### AURA TECHNOLOGIES

JUN 2024 – PRESENT | SENIOR BACK-END .NET DEVELOPER | REMOTE

Developing solo a new .NET/cloud software system, including infrastructure and technical design, C# .NET back-end APIs, applications, MySQL, Azure DevOps, and other Azure cloud services

- Initiating a brand-new system with several .NET services, front-end, and database as mostly-solo developer and acting scrum master and assistant product owner (planning)
- Duende Identity Server with ASP.NET Core Identity
- Standing up DevOps infrastructure for modern software engineering processes, including Azure CI and CD pipelines
- Spearheaded software process agreements across two teams
- Injected certain modern software principles

#### MEDICAL SOLUTIONS

MAR 2023 – MAR 2024 | SENIOR DEVELOPER | REMOTE

Developed back-end software in support of traveling clinicians, including C# .NET back-end applications, MS SQL, Azure DevOps, and other Azure cloud services

- Advocated for better software practices and better software quality, including code consistency and end-to-end ownership, examination of app/service logs
- Worked with architect, principal, and staff with my proposals on possible architecture and designs for upcoming features
- Encouraged breaking apart a legacy API of 140 endpoints, and unit test coverage above 20% (170%) in both legacy and new IDesign code, etc.
- Kept the work flowing through a small scrum team expeditiously
- Investigated bugs and surgically coded for new features in legacy code consisting of 1k+ loc with 15-20 steps within one method under one endpoint
- Mentored/coached junior, peers, and even a little of staff and principal

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## Remote Senior Software Engineer

### Languages

C#12, .NET 8;  
C++; C; HTML,  
XML

### Data

MS-SQL,  
Postgres, MySQL

### Web

HTML, Javascript,  
CSS, SASS (React,  
Ruby)

### Test

XUnit, NUnit,  
code coverage,  
integration  
testing, testing  
simulations

### Monitoring

New Relic; Azure  
Dashboards ,  
Application  
Insights;  
OpsGenie,  
PagerDuty

## Education

B.S.E.E.,  
University of  
Houston

## Patents

Under my maiden  
name, McGee,  
filed during my  
time at Compaq  
Computer  
Corporation, now  
part of HP

- Collaborated with other teams on needed changes, including other developers, product owners, QA, and production support

## RURAL SOURCING (SPARQ)

DEC 2022 – MAR 2023 | SENIOR SOFTWARE CONSULTANT II | REMOTE

Worked with a client involved in shipping to centralize in the cloud multiple localized software systems handling large volumes of data using **C# .NET back-end applications, SQL, Azure DevOps**

- Coded exploratory POC to help refine work needed, including data model, database creation, mock api, api client using .NET 7, Swagger, Swashbuckle, OpenAPI, EF 7, dotnet ef migration tools for SQL Server
- With high-level architect, business, engineers, continually refined high-level goals into workable requirements and an initial data model, including discussions of a node-based model
- Explored tech options, from graph databases to messaging tech like .NET Wolverine vs RabbitMQ and Google PubSub
- Set up initial Azure DevOps pipelines for first POC

## SPRETAIL

2020 – 2022 | SOFTWARE ENGINEER II | LINCOLN, NE

Developed C# .NET back-end applications to support e-commerce – applications ingesting from upstream systems, composing, and conveying to downstream systems, involving large data volumes

- Managed complex systems under heavy load, devising ways to track not only app behavior but behavior of data flows
- Worked with upstream and downstream partner teams to implement new features and to investigate internal service desk problems
- Optimized Marten event-sourcing system
- Upgraded part of our RabbitMQ event-driven ecosystem
- Mentored engineers in better practices, like encouraging greater depth in MR descriptions or training them in investigative approaches
- Shifted toward metadata use from RabbitMQ to internal to Marten events
- Continuously advocated for process improvements, including with our deployment stack (GitLab, Docker, Helm, Azure, AKS)

## NEBRASKA BOOK COMPANY

2010 | WINPRISM PROGRAMMER

Solved support issues with SQL for a C#/ASP.NET application

## Remote Senior Software Engineer

### + 6125408:

Resource type prioritization in generating a device configuration

### + 5991826:

System for configuring computer devices according to configuration patterns

### + 5964871:

Resolution of resource conflicts by reduction of systems to solve

### + 5884075:

Conflict resolution using self-contained virtual devices

(JOHNSON FAMILY)

2007-2020 | (RAISING MY SON) | LINCOLN, NE

## JEPPESEN SANDERSON (BOEING)

2005 – 2007 | SOFTWARE ENGINEER | DENVER, CO

Maintained on a tight schedule with RUP a complex C#/ASP.NET application that involved XML and SQL for internal and external customers to deliver software onboard large commercial aircraft

## LOCKHEED MARTIN SPACE SYSTEMS

1999 – 2005 | SENIOR EMBEDDED SOFTWARE ENGINEER | DENVER

Represented the flight software organization in mission support for interplanetary spacecraft under contract to NASA, including Mars Odyssey, Mars Reconnaissance Orbiter, Genesis, and Stardust missions

- Tech stack involved: C++, OOD, UML, Rhapsody, Unix and Perl shell scripts, VxWorks, C, HTML, Javascript, MySQL
- Developed flight software and performed rigorous acceptance tests for Mars Odyssey, fault protection software for Stardust, and MRO simulation software
- Expedited spacecraft recovery after solar flare event, identifying likely causes and safe procedures as flight software subsystem representative, avoiding further risk to multi-million dollar spacecraft
- Supported over 250 Unix shell and Perl scripts and data files across more than 5 operational, testbed, and development networks for 4 interplanetary spacecraft; development, revision management, testing, training, and reporting
- Trained in Greenbelt, Six Sigma, and Lean principles

## COMPAQ COMPUTER SYSTEMS (HEWLETT PACKARD)

1994 – 1999 | SENIOR SOFTWARE ENGINEER | HOUSTON, TX

Formed requirements, specified function and design, developed software, assisted in test plans, debugged, verified, and maintained software applications shipped on more than 1 million personal computers

- Developed features unique in the industry including utility to handle resource conflict that resulted in 4 patents and security functions
- Used Visual C++ and MFC to develop multiple object-oriented applications for Windows 2000, Windows 9x, NT, MiniWindows, and Windows 3.1
- Worked with localization issues in 22 languages as well as cross-platform, user interface, firmware, driver, hardware, and cross-divisional issues
- Debugged issues across teams, including testers overseas