

# JOHN RUSSO

## SENIOR SOFTWARE ENGINEER / APPLICATION DEVELOPER

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Senior Software Engineer / Application Developer with 7+ years of experience building and supporting business applications using C#, .NET, ASP.NET, Blazor, WPF, SQL Server, Entity Framework Core, and Web APIs. Strong background in software architecture, database design, CI/CD, production support, and full-stack development across web, desktop, and mobile-connected platforms. Experienced in modernizing software workflows and using AI-assisted development tools including Codex and Claude Code to improve engineering productivity and delivery.

### CORE SKILLS

C# • .NET • .NET Core • ASP.NET MVC • ASP.NET Core • Blazor • WPF • SQL Server • Entity Framework Core • EF Migrations • REST APIs • Web API Development • Database Design • SQL Querying • Stored Procedures • CI/CD Pipelines • Git • Azure DevOps Concepts • HTML • CSS • JavaScript • Cloudflare R2 • Cloudinary • Debugging • Production Support • Legacy Modernization • Codex • Claude Code • AI-Assisted Development • Agile Development

### TECHNICAL STRENGTHS

- Full-stack development across web, desktop, API, and mobile-connected platforms.
- Relational database design, schema planning, and Entity Framework migration management.
- Building maintainable architectures that support immediate business needs and long-term growth.
- Troubleshooting production issues across application logic, data access, and deployment layers.
- API design for communication between desktop, web, and mobile systems.
- CI/CD workflow design and deployment support.
- Strong communication with technical and non-technical stakeholders.
- Practical use of AI coding tools to improve speed, quality, and productivity.

### PROFESSIONAL EXPERIENCE

#### Lead Developer | NeonRoof

South Carolina / Remote | 2025-Present

- Serve as lead developer for the NeonRoof platform, including the Blazor website, WPF desktop platform, supporting Web API, and mobile-connected application functionality.
- Built NeonRoof.com in Blazor and developed the Web API used to communicate between the website, WPF platform, and mobile app components.
- Designed and implemented chat room functionality and communication features across the NeonRoof platform ecosystem.
- Built CI/CD pipeline workflows to support ongoing development, integration, and deployment.
- Integrated Cloudflare R2 for binary storage and Cloudinary for image storage and media handling.
- Designed and maintained the platform database structure, including relational design, Entity Framework migrations, and data access workflows.
- Led full-stack development across front-end experience, business logic, persistence, API communication, and cloud storage integration.
- Used Codex and Claude Code as AI-assisted development tools to accelerate coding, debugging, prototyping, and feature delivery.

#### Application Developer | Palmetto State Finance

South Carolina | 2020-2025

- Developed and supported business applications used in operational and financial workflows.
- Worked extensively with application logic, database-driven processes, and troubleshooting across software environments.
- Assisted with software enhancements, bug fixes, usability improvements, and day-to-day technical problem resolution.

- Supported production-facing systems and collaborated with stakeholders to improve application reliability and effectiveness.
- Contributed to the maintenance and ongoing improvement of internal software tools aligned with business needs.
- Worked in environments where application stability, data accuracy, and practical business functionality were critical.
- Helped translate technical issues into workable solutions that supported both users and business operations.

### **Software Developer | Chaser Pantry**

*South Carolina | 2019-2020*

- Developed and supported an ASP.NET MVC application for inventory management, barcode scanning, and point-of-sale operations.
- Worked on both web and mobile-connected functionality to support operational workflows across multiple usage scenarios.
- Built and supported software features for inventory tracking, product movement, barcode-based actions, and sales processing.
- Worked with database-connected workflows and business logic tied to operational and transactional processes.
- Contributed to debugging, feature updates, and application improvements that supported daily usability and efficiency.

### **SELECTED ENGINEERING HIGHLIGHTS**

- Built a connected software ecosystem spanning a Blazor website, WPF desktop application, mobile app communication, and custom Web API.
- Designed SQL-backed applications with Entity Framework migrations, relational schemas, and maintainable data access patterns.
- Developed and supported business-critical software for finance, operations, inventory management, barcode scanning, and point-of-sale workflows.
- Integrated cloud storage services for binary and image management in modern application platforms.
- Created CI/CD workflows to improve release consistency and development efficiency.
- Applied Codex and Claude Code in active engineering workflows to accelerate coding, refactoring, debugging, and delivery.

### **LEADERSHIP & MODERNIZATION**

- Strong interest in helping modernize application stacks and move older workflows into cleaner, more maintainable .NET-based architectures.
- Comfortable taking ownership of technical decisions, system design, and complex debugging efforts.
- Brings a practical builder mindset focused on shipping working software while improving long-term maintainability.
- Able to communicate technical concepts clearly to technical teams, stakeholders, and end users.
- Works well independently while staying aligned with broader business and engineering goals.

### **EDUCATION**

#### **Middle Georgia State University**

Bachelor of Science in Information Technology, Software Development Track

#### **Spartanburg Community College**

Associate of Applied Science in Computer Technology

### **CERTIFICATIONS & TRAINING**

- Certificate in Software Development and Database Administration - Spartanburg Community College
- Java Programming Bootcamp - Udemy professional training coursework
- TestOut Security Pro / security-related technical coursework
- Cisco Networking Academy coursework

### **TOOLS & TECHNOLOGIES**

Visual Studio 2022 • SQL Server • SQL Server Management Studio • Entity Framework Core • Blazor • ASP.NET MVC • ASP.NET Core • WPF • REST APIs • Cloudflare R2 • Cloudinary • Windows Development • Mobile-Connected Platforms • AI Coding Tools