

# Zeke Naulty

## Senior WinForms / Desktop .NET Developer

Senior WinForms / Desktop .NET Developer – Modernizing LOB Apps (C#, WinForms, VB6/VB.NET, SQL Server)

### Summary

Thick-client specialist with deep experience in WinForms and desktop line-of-business apps. Modernizes legacy UI flows, introduces sustainable testing patterns, and connects desktop clients to dependable services.

Comfortable straddling older tech (VB6/WinForms/Web Forms) and newer patterns to keep critical desktop products alive while improving maintainability.

### Experience

#### Software Engineer II (WinForms/Desktop) - Storable

Jan 2021 - Dec 2022 | Cary, North Carolina, United States

- Maintained and extended .NET WinForms applications alongside web properties for insurance products.
- Introduced unit testing patterns to WinForms and kept desktop and service layers in sync during domain-driven design adoption.

Tech: C#, .NET Core, WinForms, ASP.NET, Entity Framework, Hangfire, PostgreSQL, SQL Server, Unit testing, Domain-driven design

#### Programmer/Analyst (Desktop Modernization) - Prestage Farms

Jan 2016 - Sep 2016 | Clinton, NC

- Led a team modernizing VB6 accounting and inventory software, replacing legacy reporting and PDF generation.
- Added custom bug reporting and ticketing to keep desktop work visible and delivered the project early using Agile practices.

Tech: C#, VB6, VB.NET, WinForms, Reporting, PDF generation, JIRA, Agile, Team leadership, Role-based security

#### Lead Developer / Azure DevOps - iAdvantage Software, Inc.

Feb 2017 - Jan 2021 | Cary, NC

- Supported offline WinForms and Xamarin apps while delivering user-defined data models and reporting in WebForms/MVC/WebAPI on Oracle.
- Crafted responsive UIs with CSS, Bootstrap, and AngularJS.

Tech: C#, ASP.NET WebForms, ASP.NET MVC, ASP.NET WebAPI, REST, OData, SOAP, Oracle, PL/SQL, Entity Framework, nHibernate, AngularJS, Bootstrap, CSS, WinForms, Xamarin Forms, Azure DevOps, GLP compliance, Reporting

#### Senior Software Developer - Rural Sourcing, Inc.

Jul 2013 - Feb 2016 | Augusta, Georgia Area

- Delivered Microsoft-stack projects for multiple clients, moving between WinForms, ASP.NET, and SQL Server work as engagements required.
- Mentored junior and mid-level developers on coding standards, testing habits, and practical estimation.
- Planned and tracked sprints, risks, and milestones while keeping stakeholders aligned across simultaneous projects.
- Conducted code reviews and production readiness checks to keep releases predictable for consulting clients.
- Interviewed and recruited engineers, helping shape hiring rubrics and onboarding practices.
- Acted as a hands-on contributor when teams needed extra capacity on backend or desktop features.

Tech: C#, ASP.NET, WinForms, SQL Server, Project management, Mentoring, Code review, Estimation

#### Web Developer/Consultant (PK Promotions) - PK Promotions

May 2004 - Jan 2005 | Biloxi, MS

- Built web-based commodity production management and product tracking systems that paired with desktop

workflows.

- Supported sales and marketing systems for the business.

Tech: ASP, SQL Server, Web development, Requirements gathering, Reporting

### **Design Consultant - Rainmaker Advertising & Design**

Mar 2001 - Oct 2002 | Biloxi, MS

- Developed front-ends and components in VB6, VB.NET, and ASP (Classic/Web Forms) with Access, InterDev, Flash, and SQL Server.

- Assisted in IT system design for agency clients.

Tech: VB6, VB.NET, ASP Classic, ASP.NET Web Forms, Microsoft Access, SQL Server, InterDev, Frontend components

### **Programmer/Analyst I - Hancock Bank**

Dec 2000 - Aug 2001 | Gulfport, MS

- Built desktop applications against DB2/Argo Data, adding reporting and data-access front-ends.

- Created data-driven ASP pages and validation JavaScript to support desktop workflows.

Tech: Access, DB2, Argo Data, ASP, JavaScript, SQL Server, Reporting, Data access

### **Technician/Programmer - Computer Specialist**

Feb 1999 - Mar 2000 | Bay St. Louis, MS

- Troubled and resolved software issues for local customers on Windows 3.1 through Windows 2000.
- Repaired and built IBM-compatible PCs, installing and configuring operating systems and peripherals.
- Created small custom applications for small businesses to automate routine tasks.
- Handled on-site support, translating user needs into practical fixes and documenting steps for non-technical staff.

Tech: Windows support, PC hardware, Troubleshooting, Custom applications, Customer service

## **Skills**

### **Core**

- WinForms
- C#
- ASP.NET
- .NET Core
- SQL Server
- Legacy modernization
- Visual Basic .NET

### **Supporting**

- Bootstrap
- AngularJS
- Azure DevOps
- Hangfire
- Project management

### **Other**

- Agile Methodologies
- Cloud Platforms
- Cloud computing (Azure)
- CSS
- Database Development
- Full-stack development
- Git
- iOS
- JavaScript
- JIRA
- Kanban
- Leadership
- Mentoring

- Microsoft Azure
- Microsoft SQL Server
- Mobile application development
- Oracle
- Problem-solving
- Regular Expressions
- Software development
- Team Building
- Team management
- Time management
- Unified Modeling Language (UML)
- Web development
- Entity Framework
- PostgreSQL
- Xamarin Forms
- OData/SOAP APIs

## Projects

### Cognition

A .NET-based agentic orchestration system that wraps LLMs with tools, background workers, and structured pipelines for planning and execution. Focuses on durable workflows, message/state tracking, and clear separation between model calls and application logic.

<https://github.com/zekenaulty/cognition>

### Resume & Profile Site

A GitHub Pages site that renders multi-profile resume views from structured JSON data, including a default 'Code Monkey' profile and employer-focused variants for backend, desktop, fullstack, and architect roles.

<https://github.com/zekenaulty/zekenaulty.github.io>

### Dominus

A DOM utility library that builds Bootstrap 5 and Bootswatch interfaces from code, aiming to reduce raw HTML boilerplate and make UI construction more declarative and composable.

<https://github.com/zekenaulty/dominus>

### Random Dialog Engine

A lightweight dialog engine for games and narrative systems that models conversations and internal monologue using reusable dialog primitives and simple stateful flows.

<https://github.com/zekenaulty/random-dialog>

### Maze-Battle & Maze-Quest

A pair of JavaScript experiments combining maze traversal with RPG-style encounters: Maze-Quest focuses on Minecraft-inspired maze exploration, while Maze-Battle extends the idea with combat and encounter logic.

<https://github.com/zekenaulty/maze-battle>

### Fractal & Geometry Experiments

A series of visual experiments centered on cube-based generative structures (cubix-gen) alongside Cantor sets and binary tree fractals, exploring recursion, geometry, and visual pattern generation in HTML/JavaScript.

<https://github.com/zekenaulty/cubix-gen>

### SQL Server Information Schema Tools

A C# utility library for querying and shaping SQL Server information schema metadata, designed to support reporting, refactors, and schema-aware tooling.

<https://github.com/zekenaulty/SqlServer.InformationSchema-Discontinued>

### English Lexicon & NLP Data Experiments

Fork-based experiments around large English word datasets and CEFR-level annotations, exploring ways to combine frequency, part-of-speech, and difficulty metadata for NLP and language-learning tools.

<https://github.com/zekenaulty/Words-CEFR-Dataset>