

# Zeke Naulty

## Senior Fullstack .NET Developer

Senior Fullstack .NET – UI to APIs to Data (C#, ASP.NET MVC/WebAPI, JavaScript, SQL Server/PostgreSQL)

## Summary

Fullstack .NET developer who owns the path from UI through APIs to data. Builds and maintains ASP.NET Web Forms/MVC/WebAPI services, styles responsive interfaces, and keeps data models coherent.

Habitually improves developer experience and testability so fullstack changes can ship without fear. Comfortable across C#, JavaScript/TypeScript, AngularJS, Bootstrap, SQL Server, and PostgreSQL.

## Experience

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

Feb 2017 - Jan 2021 | Cary, NC

- Delivered user-defined data models and custom reporting with WebForms/MVC/WebAPI backed by REST OData and SOAP APIs on Oracle.
  - Built responsive UIs with CSS, Bootstrap, and AngularJS and supported offline WinForms and Xamarin apps.
- 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

### Software Engineer II - Storable

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

- Developed .NET WinForms and web applications for insurance products while building backend services in .NET Core with Hangfire, PostgreSQL, SQL Server, and Entity Framework.
  - Established unit testing patterns in WinForms and contributed to domain-driven design efforts.
- Tech: C#, .NET Core, WinForms, ASP.NET, Entity Framework, Hangfire, PostgreSQL, SQL Server, Unit testing, Domain-driven design

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

May 2004 - Jan 2005 | Biloxi, MS

- Built web-based commodity production management, product tracking, and sales/marketing systems.
  - Worked across UI and data layers to support business workflows.
- Tech: ASP, SQL Server, Web development, Requirements gathering, Reporting

### Programmer/Analyst - Not Rocket Science

Jan 2005 - Oct 2005 | Covington, LA

- Delivered full-stack .NET solutions on SQL Server for Zen-Noh Grain and built an ActionScript + ASP.NET tracking application for shipments and tug boats.
  - Created a C# mobile app for a Sheriff's department.
- Tech: C#, ASP.NET, ActionScript, SQL Server, Mobile development, Inventory/operations workflows, Client consulting

### Programmer/Analyst - Prestage Farms

Jan 2016 - Sep 2016 | Clinton, NC

- Led a team of 6 developers and 3 QA to modernize VB6 accounting and inventory systems into a single WinForms .NET application with role-based security.
- Analyzed legacy VB6 patterns and built transformation modules to automate conversion to VB.NET while preserving business logic.
- Consolidated 8+ standalone modules (receivables, payables, inventory, equipment, etc.) into one cohesive desktop experience.
- Built a new reporting frontend that supported legacy dot-matrix outputs while adding PDF generation and

viewing.

- Implemented a custom bug reporting and ticketing system so end users could file issues across DEV/UAT/PROD and auto-promote tickets into JIRA via APIs.
- Ran Agile roadmaps and milestones, coordinating stakeholders and demos to deliver the modernization roughly three months early.
- Drove quality practices and regression coverage so the VB6-to-.NET cutover could ship without breaking daily operations.

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

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

Mar 2001 - Oct 2002 | Biloxi, MS

- Developed components and front-ends 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 apps against DB2/Argo Data with reporting and data access front-ends, plus data-driven ASP pages and validation JavaScript.
- Designed and implemented SQL Server applications.

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

## **Skills**

### **Core**

- C#
- ASP.NET
- .NET Core
- JavaScript
- AngularJS
- Bootstrap
- SQL Server
- PostgreSQL
- Full-stack development

### **Supporting**

- Entity Framework
- Azure DevOps
- WinForms
- Web development
- Project management

### **Other**

- Agile Methodologies
- Cloud Platforms
- Cloud computing (Azure)
- CSS
- Database Development
- Git
- iOS
- 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)
- Visual Basic .NET
- Hangfire
- Xamarin Forms
- OData/SOAP APIs
- Legacy modernization

## 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>