Zeke Naulty

Software Developer II at Proactive Global

Software Developer II – Warehouse Automation, .NET Core, React, T-SQL, APIs

Summary

Systems-first developer with a long arc in .NET and JavaScript, comfortable moving between desktop, web, and backend work to make long-lived products easier to change.

Focus areas include refactoring legacy code, tightening data flows, and shipping dependable features with clear UX and sensible engineering practices.

Experience

Software Engineer II - Storable

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

   - As a remote Software Engineer II, I built and enhanced backend features using C# / .NET Core with PostgreSQL and SQL Server, creating and optimizing database components for insurance auto-protect workflows.
   - Participated in the full development lifecycle, adding background jobs and APIs for real-time data synchronization.
   - Troubleshot production issues and contributed to documentation and code reviews, improving stability in complex systems.

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

Programmer/Analyst - Not Rocket Science

Jan 2005 - Oct 2005 | Covington, LA

   - Supported inventory and operations workflows for Zen-Noh Grain, delivering full-stack .NET and SQL Server development in a material-handling context.
   - Developed a tracking application for shipments and tug boats, involving real-time data processing and robust database components.
   - This experience aligns with warehouse automation and automation systems, including designing database schemas and service endpoints for consistent data across web and mobile surfaces.

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 modernization of legacy VB6 accounting and inventory systems into a C# WinForms .NET application, directly addressing warehouse automation and material-handling environments.
   - Consolidated 8+ operational modules, contributing to technical improvements and ensuring seamless daily operations by driving quality practices and Agile development.
   - Troubleshot and resolved application and database issues in a production environment.

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

   - Led delivery of GLP-compliant industrial software with C# ASP.NET WebAPI services, including RESTful OData and SOAP APIs backed by Oracle and PL/SQL database components.
   - Participated in the entire development lifecycle, creating configurable reporting pipelines and building responsive user interfaces with AngularJS.
   - Guided Azure DevOps practices for deployment, mentored developers, and contributed to documentation and code reviews.

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, with expertise in C#, ASP.NET, and SQL Server development.

   - Participated in the entire development lifecycle, mentoring junior developers on coding standards and Agile development practices, conducting code reviews, and planning sprints.

   - Collaborated with cross-functional teams to convert operational requirements into technical solutions and contribute to technical improvements.

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

Application Developer/Architect - Solid Earth Inc.

Dec 2006 - Jan 2011 | Huntsville, AL

   - Developed and maintained RETS client/server software on Oracle and C#, tuning performance and data handling for reliable real-time real estate MLS integrations.

   - Built configurable ASP.NET frontends and a market analytics module, providing ongoing support and troubleshooting for application and database issues.

   - Created, optimized, and maintained database components and participated in the entire development lifecycle, from planning to deployment.

Tech: C#, ASP.NET, Oracle, RETS, XML configuration, Performance tuning, Analytics, Reporting

Engineering Application Developer - Litton Avondale Inc.

Feb 1999 - Dec 2000 | New Orleans, LA

   - In an industrial software environment, I developed 3D-to-2D code transformations for shipbuilding engineering drawings.

   - Managed deployment of networked applications and built an IDE to script and automate transformations, improving operational efficiency and contributing to technical improvements.

   - Developed error reporting/logging databases and front-ends to monitor transformation runs, troubleshooting and resolving application and database issues.

Tech: 3D to 2D transformations, Scripting IDE, Error logging, Deployment, Engineering tooling

Skills

Core
- C#
- .NET Core
- React
- T-SQL
- APIs
- Real-time processing
- Automation systems
- Agile Methodologies
- Azure DevOps

Supporting
- SQL Server
- PostgreSQL
- Oracle
- Git
- JavaScript
- Full-stack development
- Legacy modernization
- Problem-solving
- Mentoring
- Project management
- Web development

Other
- AngularJS
- Bootstrap

- Cloud Platforms
- Cloud computing (Azure)
- CSS
- Database Development
- iOS
- JIRA
- Kanban
- Leadership
- Microsoft Azure
- Microsoft SQL Server
- Mobile application development
- Regular Expressions
- Software development
- Team Building
- Team management
- Time management
- Unified Modeling Language (UML)
- Visual Basic .NET
- Entity Framework
- ASP.NET
- WinForms
- Hangfire
- 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