

John R Nelson

Summary

I have over 20 years of experience writing code and engineering software solutions. My goal is to join a team to build software for clients and servers using standard practices and patterns.

Skills & Abilities

SYSTEM ENGINEERING

- Complete engineering of systems to include operating system and application layers in a variety of platforms.

SYSTEM DEVELOPMENT/SUPPORT

- Enhance existing systems by changing the code, config files, or processes to customize the operating system for better supporting of applications and providing new features.
- Digest existing code of a given system and support it by upgrading and patching for maintenance and upgrades.

APPLICATION DEVELOPMENT/SUPPORT

- Design, build, test, and deploy an application from napkin to executable.
- Digest existing code of a given application and support it through maintenance releases.

FULL STACK DEVELOPMENT

- Use existing stack and work with team members for ongoing development. This is the case for larger companies with software components and libraries firmly established.

Experience

PARTNER / OWNER | TEKTOLOGY LLC | 2014-2018

- Design, code, debug, and publish custom applications for clients.
- Product development and proof of concepts.

SENIOR MANAGER SOFTWARE ARCHITECT | LIFEPOINT HOSPITALS | 2006-2013

- Design, code, debug, and publish Enterprise class framework for internally developed applications.
- Create business driven software for collecting, reporting, and automating information using classic client/server, n-Tier, web applications, command line tools and utilities.
- Build software development standards and guidelines for well written applications using modern design patterns and common-sense strategy. Encourage proper software engineering practices while leading by example and practicing appropriate engineering discipline.

SOFTWARE ENGINEER | JACKSON AUTOMOTIVE GROUP | 2006-2006

- Create public internet web site with Microsoft SQL Server backend to allow vehicle inventory to be displayed and managed.

- Create admin application to modify the inventory list and site data while also processing uploaded images to display on web site.

SOFTWARE ENGINEER / CONTRACTOR | HCA/CPI | 2005-2006

- Support team development of company intranet Web Applications for online Tax Management

SOFTWARE ENGINEER / CONTRACTOR | BOSWELL CONSULTING | 2005-2005

- Convert an existing VB 6 Client/Server application to C# ASP.NET.

SOFTWARE ENGINEER / CONTRACTOR | HCA/SHAWN LEE LLC | 2002-2004

- Support team development of company intranet Web Applications for online Physician Practice Management.

SOFTWARE ENGINEER / CONTRACTOR | KROGER/TEKSYSTEMS | 2001-2002

- Design and build security framework for both web and VB clients to support IPC from multiple platforms such as Win32 applications and Internet Explorer clients.
- Build web development framework to allow code reuse and standardize future development.
- Assisted transition from Microsoft ASP to IBM WebSphere.

SENIOR SOFTWARE ENGINEER | SURFMONKEY / SCAPEWARE | 1999-2001

- This is the place for a brief summary of your key responsibilities and most stellar accomplishments.
- Developed on-line bulletin boards for the user community. Board features include the standard board functionality such as Board, Topic, and Message storing plus a back-end auditing tool for reviewing content for child safety. All topics and boards went through the review process that I designed and coded from scratch.
- Developed on-line email system to provide parental blocking. This email system was not just a POP relay, rather, a layer between the POP server and the client. All email was stored in an SQL server database to allow searching, post-routing, filtering, and event logging for proof of actions. This allowed us to help protect children from unsafe scripts, unknown contacts, or persons not on a 'buddy list'.
- Developed a web crawler to seek out both good web sites that kids can go to that are safe for children in the designated age group and bad sites such as pornography to build a URL database that gave the content advisors the ability to inspect and edit possible web destinations for the child users.
- Developed a tool to publish HTML pages from development to production servers and check differences between the two.

SOFTWARE ENGINEER / CONTRACTOR | FLEAMARKET.COM / SCAPEWARE | 1999-1999

- Install and support back-end servers.
- Built prototype for on-line flea market e-commerce web application.

SOFTWARE ENGINEER / CONTRACTOR | FINTECH / SCAPEWARE | DATES FROM - TO

- Created VB front-end to convert data files in various formats to ISO-9000 formats for processing in a backend database that was determined by client.

SOFTWARE ENGINEER / CONTRACTOR | COGNITIVE / SCAPEWARE | 1998-1999

- Advised on coding standards for development, built prototypes of applications for proof of concept, and helped create program models for telephone companies managing POTS lines.

SOFTWARE ENGINEER / CONTRACTOR | ECKERD CORPORATION | 1998-1998

- Designed and supported intranet development for inter-office applications such as sales receipts and Microsoft Word Document management.

APPLICATION DEVELOPER / CONTRACTOR | INTERMEDIA / DMR | 1998-1999

- Developed a reporting tool in Microsoft Access for managing phone records. The tool outgrew Access as a database so the tables were moved to Oracle while keeping the forms and client code in Access.
- Developed a documentation tool to search and catalog the network for Access MDB files to report table information such as field definitions, number of records, and owner of database.
- Developed Exchange solution to email Microsoft Excel Spreadsheets that raised application errors due to company-defined validations and program errors.
- Developed Microsoft Word Templates using VBA to create on-line forms for both management and end users.