

David J. Kjaer

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Highly skilled, full stack developer with over two decades of experience in creating innovative web and desktop applications in a wide variety of environments using a wide variety of programming languages, frameworks and databases.

Experience Summary

- 16 years of experience using C# including LINQ, Entity Framework, TPL, generics, dependency injection, RESTful services, MVC, unit testing and various architectures and design patterns
- 20+ years of experience developing web applications using HTML, JavaScript, jQuery, Blazor, React 5, Redux, CSS, SCSS and Bootstrap
- 20+ years of experience with databases such as MS SQL Server, Azure SQL, MySQL and Btrieve including relational database design, stored procedures, views, functions, indices and triggers
- 5 years working with Azure development and administration including Azure SQL, Azure Functions, Durable Entities, Cosmos DB, web applications, service buses and virtual machines
- 3 years working with Kafka including topic design and developing producers and consumers
- Using Python for operations such as data mining, web scraping, automated tasks, and parsing
- Source control systems such as Git/Bitbucket and Subversion
- Considerable experience using Photoshop to create appealing, web-optimized graphics and interface controls
- Acceptance testing, unit testing and dependency injection tools such as MSTest AND Moq
- Working in an Agile environment including retrospective meetings, sprints, points, and velocity
- DevOps tools such as Jenkins, SonarQube and Octopus Deploy and have maintained role as DevOps Advocate interfacing between developers and DevOps team
- Experience with network administration including firewalls, DNS, DHCP, IIS, Citrix, RDP servers, Active Directory, group policies, login scripts and user management
- Interfacing applications with external peripherals, sensors, servo motors, switches, counters, and PLC systems
- Installation, configuration and maintenance of Windows-based servers and desktops

Professional Summary

Software Engineer II

C.H. Robinson

December 2017 – Present

- Develop RESTful APIs using C#.
- Develop Kafka producers and consumers using .Net Core.
- Work with Azure SQL, Azure Functions, Durable Entities, Cosmos DB
- Develop UI's using React and Redux.
- Create tables and stored procedures.
- Create ESB plugins.
- Create acceptance, E2E and unit tests using MSTest, Moq, Jest and Enzyme.
- Manage source code and resolving conflicting code conflicts.
- Working with deployment pipeline tools such as SonarQube, Jenkins and Octopus.
- Work on SCRUM team in an Agile environment.

Full Stack Developer

Alternative Strategy Advisers

June 2004 – December 2017

- Built and maintained the company website using C#, JQuery and CSS.
- Created a suite of applications to handle complete end-to-end workflow of daily processes.
- Developed applications using C# and Python which pull in market data from a wide variety of sources.
- Created a client/server system and custom protocol which allow .NET applications to communicate in real-time.
- Created stored procedures, tables, and indices in an Azure SQL database.
- Transferred all in-house servers, processes and data to Azure and SharePoint.
- Administered cloud-based services such as SharePoint, Office 365, and Azure.
- Created a website using WordPress for showcasing rental property.
- Maintained all servers and pcs.

Full Stack Developer

Winrep Software

April 1998 - June 2004

- Worked on transitioning a desktop CRM to a web-interface using ColdFusion and SQL Server. Web application was featured in the July and August 2003 editions of Agency Sales Magazine.
- Created stored procedures, tables, and indices in a MS SQL Server database.
- Maintained a desktop CRM built with Visual Basic and a Btrieve database.
- Developed several custom ColdFusion server add-ons using C++.

Electrical Controls Engineer

Mereen-Johnson Machine Company

1995 - April 1998

- Worked as drafter/designer and was promoted to engineer position in 1995.
- Developed software for managing CAD drawings using VB.
- Designed electronic and hydraulic systems for industrial woodworking machinery.
- Developed the software using Visual Basic 5 for a groundbreaking pc-controlled CNC Tenoner. One of the highlights of the 1997 International Woodworking Fair in Atlanta.
- Programmed servo motor drive systems using C.
- Designed PLC systems which interfaced with various switches, sensors, and other devices.
- Traveled the country performing installations and maintenance on machinery in manufacturing plants.
- Performed presentations showcasing new technologies and machines at national trade shows.

Education

Minneapolis Drafting School

Associate of Applied Science

1990 – 1992

Studied electrical/mechanical drafting and design using drawing board and AutoCAD. Graduated in 1992.

Thief River Falls Area Vocational Technical Institute

Certificate of Occupational Proficiency

1985 – 1987

Studied electronics including semiconductor theory, digital circuit design and electronic maintenance. Graduated in 1987.