

# 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

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- 14+ years of experience using C#, ADO.NET, LINQ, Entity Framework, RESTful APIs, MVC and n-Tier.
- 16+ years of experience developing web front-ends using HTML, JavaScript, AJAX, jQuery, AngularJS v1.6, 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.
- 3+ years of experience with Azure administration including web applications, virtual machines, Azure SQL, Azure AD, Oauth, ADAL and virtual networks.
- Experience using the SharePoint Client Components in C# applications to perform SharePoint file operations and user authentication.
- Experience using Python versions 2.7 and 3.5 for operations such as data mining, web scraping, automated file transfers and document parsing.
- Interfacing .NET applications with a wide variety of libraries and API's such as Bloomberg API, FinCAD, ZedGraph, SharpSSH, Lucene.NET, NewtonSoft, Facebook, Google GeoCoding and many more.
- Administration of source control systems such as Git, Subversion and VSS.
- Considerable experience using Photoshop to create appealing, web-optimized graphics, interface controls and logos.
- Experience with administration of Office 365 and SharePoint online.
- Additional work experience with WordPress, PHP, C++, Delphi, Visual Basic, JSON, XML and XSLT.
- Experience with network administration including firewalls, DNS, DHCP, IIS, Citrix, RDP servers, Active Directory, group policies, login scripts and user management.
- Interfacing applications with a wide variety of external peripherals, sensors, servo motors, electronic switches, counters and PLC systems.
- Installation, configuration and maintenance of Windows-based servers and desktops. Also providing desktop users with assistance.

## Professional Summary

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Alternative Strategy Advisers

### **Full Stack Developer**

June 2004 – Present

- Developed the website based on n-Tier architecture using C#, jQuery and CSS.
- Created a suite of custom-designed applications which handle complete end-to-end workflow for daily processes.
- Developed RESTful API based on MVC architecture using C#, entity framework, LINQ and Oauth.
- Developed an AngularJS website which implements Oauth login and RESTful API for the business logic.
- 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 a SQL Server database.
- Transferred all in-house servers, processes and data to Azure and SharePoint.
- Interface C# applications with SharePoint online.
- Administer cloud-based services such as SharePoint, Office 365 and Azure.
- Created a website using WordPress for showcasing rental property.
- Manage team code using Git and Subversion.
- Manage projects with JIRA Agile.
- Maintained servers and pc's.

Winrep Software

### **Full Stack Developer**

April 1998 - June 2004

- Maintained a desktop CRM using VB with a Btrieve database.
- Played a key role in transitioning the desktop CRM to a web-interface using ColdFusion and SQL Server.
  - Web application was featured the July and August 2003 editions of Agency Sales Magazine.
- Created stored procedures, tables and indices in a SQL Server database.
- Developed several custom ColdFusion server add-ons using C++.
- Developed prototype for a mobile interface using .Net Compact Framework.
- Administered the team VSS.
- Maintained servers and pc's.

Mereen-Johnson Machine Company

### **Electrical Controls Engineer**

1995 - April 1998

- Worked as drafter/designer for three years 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 VB 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

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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.