



Mahesh Chand

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Summary of Qualifications

Mahesh is an award-winning **Software Architect** and **Author** with **18 years** of software development experience in building complete solutions using cutting-edge technologies. He is a **10-times Microsoft MVP**. He specializes in the architecture and implementation of client/server, mobile, cloud, database, graphics and/or Web based systems. He has developed systems for the Healthcare, Financial, Banking, Pharmaceuticals, Engineering & Architectural, Imaging, Construction, and Software industries. Some of the companies Mahesh has worked with includes Unisys, Adidas, Microsoft, Excelon Corp, Johnson & Johnson, University of Pennsylvania Hospital, PMI, McGraw-Hill, and Barclays. He has also managed several on-site and offshore projects and has mentored companies implement best practices while building systems using Microsoft technologies. Mahesh has authored half a dozen books and thousands of articles on software programming and architecture.

Startup Mentor

Mahesh is a startup mentor and has helped several startups on CTO/CIO level services in the mobile, cloud, and wearable areas including Google Glass, Windows Store, Apple Watch iOS, and Android. Mahesh has also helped startups in building their technical teams, architecture, mentorship, and partnerships with various service providers.

Founder, C# Corner

Mahesh founded C# Corner, an online community for programmers and IT professionals and grew it to over 2.5 million monthly users organically.

Technical Skills

Visual Studio 2015, WPF, WCF, Windows Forms, SharePoint, iOS, Android, Windows Phone, Universal apps, Expression Blend, C#, Visual Basic .NET, ASP.NET, Tablet PC, Pocket PC, C++, Visual Basic, Crystal Reports, SQL Reporting Services, MS Project Server, MFC, ATL, COM, SQL Server, Oracle, MySQL, Mongo DB, Access, C++, C, Fortran, Object Pascal, Visual SourceSafe, MS-Project, MS-Query, Wise Installation System, InstallShield



Education

- Master's in Computer Science & Applications
- Bachelor of Science (B. Sc.) majors in Mathematics and Physics

Experience

Mindcracker Inc. 01/2000 – Present
Philadelphia PA

Mindcracker CMS

- Mindcracker CMS powers C# Corner (www.c-sharpcorner.com), one of the most popular online community for C# and .NET Developers with over 2.5 Million registered members. The Mindcracker CMS is my pet project that I started in .NET 1.0 and has been upgraded every time a new version is out there with new features added each year. The CMS is built using latest and cutting-edge technologies. Modules include content publishing, blogs, forums, social activities, videos, photos, surveys, certifications, download, awards, reviews, e-books, reporting, and tips.
- **Responsible** Architecture, Project Management, Design, User Requirements
- **Technologies used:** C#, ASP.NET, SQL Server 2000 -2012, Reporting Services, JQuery, JavaScript, Node.js

Applied Clinical Intelligence 09/2010 – Present
Philadelphia PA

- Architected and lead a team of developers, testers, and designers to build ACI's AIMS that helps adjudicators to adjudicate clinical studies. AIMS is a cloud-based complete Web solution for ACI's clinical adjudication needs.

Nexan USA 07/2011 – 2013
Florida

- Architected and lead a team of developers, testers, and designers to build the ClearPath, a next-generation software to capture, monitor and analysis patients for respiration, cardiac event and oxygen saturation.

Adidas

- Architected Adidas's latest revolutionary on-field-to-player RemoteConnect system
- Helped 4 different companies to integrate their hardware, software, and services technologies to develop the entire system.
- Built SaaS based and Best Practices prototypes

University of Pennsylvania Hospital 05/2008 –05/2010



Radiology PreCert Application

- Radiology PreCert Application automates the process of precertification and connects Hospital Radiology department with in-network doctor offices.
- **Responsible** Project Management, Design, Architecture
- **Technologies used:** VB.NET, Visual Studio 2008, ASP.NET 3.5, Crystal Reports, Reporting Services, SQL Server 2008, SharePoint

Radiology Portal

- Radiology Portal allows radiology department to manage their schedules
- **Responsible:** Project and Tech Lead
- **Technologies used:** VB.NET, Visual Studio 2008, ASP.NET 3.5, AJAX, Crystal Reports, Reporting Services, SQL Server 2008

Zurisoft LLC.
Chadds Ford PA

04/2007 –04/2009

StaffSpan

- StaffSpan is an enterprise level resource and schedule management system for hospitals. Developed for University of Pennsylvania Hospital.
- **Responsible** Project Management, Architecture, Implementing and prototyping Best Practices, Client Visits, Onsite Deployment, Demos
- **Managed an** offshore and on-site team 8 developers, 2 testers, 2 DBAs.
- **Technologies used:** C#, Visual Studio 2008, ASP.NET 2.0/3.5, SQL Server 2005, Dundas Controls, Telerik Controls, IZenda Reports

Johnson & Johnson/Centocor Inc.
Chesterbrook PA

05/2006 –03/2007

Risk Management

- Risk Management application allows administrators to manage projects risks
- **Responsible** Tech Lead, Gather Requirements, Develop Design Documents, some coding, Deployment, System Testing.
- **Technologies used:** VB.NET, Visual Studio 2005, ASP.NET 2.0, Crystal Reports X, Project Server, Sharepoint Portal Server 2003, SQL Server 2000, SSRS

ResourceDB Application

- ResourceDB application allows administrators to manage resources and generate reports
- **Responsible** Tech Lead, Gather Requirements, Develop Design Documents, some coding,



Deployment, System Testing.

- **Technologies used:** VB.NET, Visual Studio 2005, ASP.NET 2.0, Crystal Reports X, Project Server, Sharepoint Portal Server 2003, SQL Server 2000, SSRS



Fluidigm Inc

03/2006–05/2006

DisplayMatrix Control

- DisplayMatrix is a Windows control library provides Microsoft Excel like functionality for Windows Forms developers
- **Responsible** designing and coding.
- **Technologies used:** C#, Visual Studio 2005, Windows Forms, GDI+

Barclays/Juniper Bank

09/2005–02/2006

Wilmington DE

Contact Center Desktop

- Contact Center Desktop allows bank customer service representative to manage the bank accounts and supports.
- **Responsible** designing and coding.
- **Technologies used:** C#, Windows Forms, ADO.NET, Oracle 9i

Project Management Institute (PMI)

02/2005–09/2005

Newtown Square, PA

Certification Web Site Redesign

- Certification web site is redesigned and rewritten using ASP.NET, C#, and VB.NET.
- **Responsible** designing and coding.
- **Technologies used:** ASP.NET, Visual Basic .NET, SQL Server, NAnt, NUnit

Exelon Corp.

10/2004–01/2005

Kennett Square, PA

CPS UI

- Common Password Services UI is an ASP.NET Web application provides a common interface to all of Exelon user's password management.
- **Responsible** architecting, designing and coding.
- **Technologies used:** C#, Cryptography, ASP.NET Web Forms.

CPS Web Services

- CPS Web Services (Admin and Client) provides interfaces to CPS UI and client applications.
- **Responsible** architecting, designing and coding.
- **Technologies used:** ASP.NET, C#, ADO.NET, Web Service, Secure Socket (SSL), SQL Server 2000.

Intercept Payment Solutions

8/2003–09/2004



Payment Processor API

- Payment Processor is the API available to Intercept merchants and clients to submit real-time transactions in various formats including plain text, XML, and batches. It takes care of encryption and wrapping the original transactions to IPS format and submits transaction to the Payment processor and returns the processed transactions.
- **Responsible** for designing and coding the existing VB/C++ API in C#.
- **Technologies used:** C#, XML, Cryptography, Sockets, Windows Forms.

Credit Card Settlement Processor

- Credit Card Settlement Processor project is responsible for all providing settlement solutions for all major credit cards including Visa, Mastercard, Discover, and American Express. It provides support for various providers including PaymentTech, Vital, Nova, Merrick, and Omaha.
- **Responsible** for architecting and building frameworks and building blocks for back-end functionalities of the project.
- **Technologies used:** C#, ADO.NET, Windows Forms, Windows Services, Oracle 9i.

Chargeback Processor

- Chargeback Processor is responsible for managing credit card chargebacks.
- **Responsible** for architecting and building frameworks and building blocks for back-end functionalities of the project.
- **Technologies used:** C#, ADO.NET, Windows Forms, Windows Services, Oracle 9i, ASP.NET.

Endoscopic Applications Company 03/2004–07/2004. Boston, MA (Remote)

EndoViews Applications Series

- EndoViews application allows endoscopic surgeons to capture, review, and dictate operation details on Tablet PCs and Pocket PCs.
- **Role:** Project Manager / Architect
- **Technologies used:** C#, Tablet PC, Speech .NET, Windows XP Tablet PC, Windows Forms, Pegasus Imaging controls and SQL Server.

McGraw Hill Construction

1/2003–8/2003

Hightstown, NJ

McGraw-Hill Contractor Network

- McGraw-Hill contractor Network is a solution for McGraw-Hill construction to connect people, projects and products via Microsoft .NET technologies using XML Web services, ASP.NET and C#. Responsible for designing and writing UI ASP.NET pages, XML Web services, and database logic.
Technologies used: ASP.NET, Web services, C#, ADO.NET, Oracle 8i/9i, and Visual SourceSafe.

MHC Network Web Services

- Responsible for architecting and building Search, Authenticate, Lookup, and Retrieval XML Web



services to expose the data, write Excel VBA macro to consume the Web services from Excel 2000, XP, and Office 11, ASP.NET.

MHC Network Web Service Consumers

- Responsible for writing ASP.NET client Web applications to consume MHC Network Web services
- Responsible for writing Excel VBA applications to consume the MHC Network Web services from Excel 2000, XP, and Office 11.

Sharepoint 2001 and 2003 Beta Evaluation

- Responsible for evaluating and writing a case study and prototype of using Sharepoint Portal Server 2001 and 2003 beta in ASP.NET and C#.

Kruse Inc.
Downingtown, PA

2/1998–12/2002

kWise in .NET

- kWise .NET is a conversion of VC++ project to .NET. kWise is a document management system from Kruse Software, which allows engineers, and architects to manage, publish, and view their documents. The educational version of kWise allows students and teachers to manage their courses on distributable CDs. Technologies used: C#, ADO.NET, SQL Server, Visual SourceSafe, Access, Windows Forms.

System migration studies, analysis and design, coding, testing, integration, and deployment.

kSkin.NET

- The kSkin.net library developed by Kruse Software allows you to create distinctive, runtime, customizable user interfaces (including non rectangular shaped controls and Forms) for your .NET applications. The kSkin.net library allows you to switch between different interfaces simply by specifying different XML skin definitions. The kSkin.net library is a managed library written using C# and XML. It works within all .NET languages, including Visual Basic .NET and C#. Technologies used: C#, GDI+, Visual SourceSafe, Windows Forms.

Analysis and design, coding, testing, and integration

kSkin Image Designer

- This product allows users to design images and backgrounds for their applications. Technologies used: C#, GDI+, Visual SourceSafe, Windows Forms. Responsibilities: Analysis and design, coding, testing, and integration

kVoice – A Voice Enabled Document Management System

- The kVoice module of kWise is a voice-enabled version, which allows physically challenged people to manage their documents. The kVoice program uses Microsoft speech SDK and Chant Speech SDK to provide speech recognition and text to speech support.



Design, coding, testing and implementation



kWise Web and kFTPClient

- The kWise Web and kFTPClient are two Web projects developed by Kruse Inc. to convert and exports its kWise databases on the Web and allow users to view and managed documents over the Web. kWise Export module converts over 200 file formats to a Java viewer file formats and then exports documents to the Web server with the database. Later the database is opened in kWise client and documents are managed in a tree structure and viewed in the kWise Web viewer.

Design, coding, testing and implementation of kWise Web Export

RxView ActiveX Control

- RxView ActiveX control use RasterEx viewing technology and implements various viewing options for over 200 file formats. The ActiveX is used by kWise software, a document management system.
- Platform used – VC++ 6.0, MFC, WinInet
- Database – SQL Server and MS Access

kWise – A Document Management System

Design, coding, integration, installation, and testing

Project Lead

- kWise is a powerful, yet easy-to-use, family of knowledge management solutions that allows user to organize, control, present, access and archive documents of virtually all types. Output can be to LAN/WAN, the Internet, or to CD-ROM where people, clients or vendors can search, view and print all of your documents without the native application software on their computers.
- Software used - Visual C++ 6.0, ODBC, DAO, MFC 6.0, SQL Server, Access

CAE Solutions 2/1997 - 2/1998

NOIDA, INDIA

Kruse Continuum

- Previous version of kWise developed in VC++ 5.0. A Document management system designed for CAD engineer and architects.
- Software used - Visual C++ 5.0, ODBC, DAO, SQL Server, Access
- Design, coding, integration, installation, and testing
- Tech Lead

Kruse Control

- Kruse Control is a document management system for small companies, which allows different features including organizing, controlling, viewing, searching, check-in, checkout and other features.

Kruse Inc.



- Software used – Visual Basic 5.0 and 6.0
- Improvement and fixes



Modi Olivetti
New Delhi, INDIA

7/1996–2/1997

Open Bank System

Coding

- The Open Bank system is Total Branch Automation (TBA) System for a bank. It is a GUI & Client-Server based application. It is designed to cater the needs of Indian banks, considering RBI rules, guidelines and present market scenarios. The product is fully scalable from a single standalone teller application (known in India as ALPM - Advanced Ledger Posting Machine) to complete inter-branch automation
- Software used – Visual Basic 5.0, Crystal Reports