

# MANMOHAN CHAUHAN

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Hyderabad, India 500030

- A versatile and adaptable Lead software engineer with 10 Years of software development experience in large scale, highly available, multi-geographical and distributed applications.
- Experienced in working with various software development methodologies, including Agile, BDD, TDD, SAFE, and traditional waterfall approaches.
- Technical expertise in variety of software architectural projects SOA, 3-tier, MVVM, MVC, SPA. for development of distributed & highly scalable solutions for Desktop , Web and mobile apps.

## TECHNOLOGIES/ FRAMEWORKS/ LIBRARIES

- Proficient in C#, .Net Core, VB.net, Angular 16, Type Script, .Net framework, Xamarin, WCF, WPF, Win forms, windows services.
- Scalable, secure & high-performance REST , Graph QL & SOAP web APIs.
- Web front end : Angular material, HTML, SCSS, CSS, Bootstrap, Charts.
- ORM - Entity framework (EF core), LINQ, Lambda expressions.
- SQL server, Cosmos DB, Azure tables, Blob storage, PostgreSQL, SSRS, RDLC, Crystal reports.
- Azure services: Storage account, Function app, App services, Azure SQL, App insights, Service bus, Storage account queues, logic apps.
- Testing frameworks: Selenium, Cucumber, Jasmine & Karma, NUnit, XUnit.
- Azure devops, Jenkins, Github Actions, Terraform, ARM Microsoft App Center, Firebase, Google console.
- 3rd party integration: Kendo UI, Dev Express, Telerik & Infragistics, Payment gateways, SMS gateway, Live chat, OAuth integration.
- Familiar with Java, Go Lang, Swift, Block chain.

## CERTIFICATES



## PROFESSIONAL EXPERIENCE



### Lead Software Engineer

Optum, Hyderabad India

July 2022 - Present

Responsible for leading the technical implementation of the top leading Medical coding products in Medical coding industry. Contributing in end to end development of highly large scale products, which assist 1000+ of Healthcare Providers to review Multi-Million medical records, optimize the hospital coding operations, improve compliance and Achieve timely, accurate and consistent coding.

- Involved in app modernization process, starting from Product discussion, architectural updates, High level and low level designs, Code review and releases.
- Leading team in architecting the backend APIs (Rest and Graph QL) solutions, and successfully achieved the SLA of 200ms from 600ms.
- Led the migration of legacy front end solution from Angular JS to Angular 16. Worked directly with product team, to make strategies, scope identification, feature composition and release plan. Successfully re-written 50+ new components, services and modules with quality code so far.
- Responsible for performance optimization of web APIs REST, Graph QL, optimization of DB operation in Cosmos DB and Azure SQL.
- Re-write the Custom rule engine for the product, migrated the processing from C++ and VB.net code to C#, Optimized the rules processing latency by 30% by leveraging advance TPL concepts and multi-threading.
- Took initiative of refining the Automation solution for the product, Re-architected automation project solution for REST APIs, reduced the 10k+ line of code by making the re-usable Nugets packages, mocking library, appropriate design patterns.

- Involved in azure environment setup for QA, QA2, Pre-prod and Disaster recovery setup for the solution.



### **Technical Consultant - Apps**

Microsoft, Hyderabad India

**Aug 2019 - July 2022**

- Worked on multiple next gen projects including Digital Healthcare Platform, Smart Vehicle Solutions, Block chain backed Supply chain solution. Responsible for consulting technical solutions for software applications to modernization in cloud native apps by utilizing appropriate Azure cloud services.
- Module lead of 5+ members, responsible for daily standup, Sprint planning, User story refinement, task estimations, code review, peer testing, Technical documentation
- Contributing in technical brain storming, new module designs, LLD, peer programming, for development of next generation software solutions.
- Maintaining the code quality, code coverage, sonarcube issues, test automation.
- Responsible for PROD incident fixes, Log analysis and hot fixes with 48 hours RCA SLA.
- Taking technical sessions to new hires, chalk talks session to team members.
- Working in various cloud technologies in Azure including Storage accounts, App insights, Azure queues, Service bus, Function Apps, Logic Apps, Key vault, App services.



### **Senior Software Developer**

Thumbmunkeys, Gurugram India

**March 2018 - July 2019**

- Responsible for end to end development of mobile apps with .NET core REST APIs.
- R&D and time estimation for new components. Involved in requirements gathering, technical analysis and creating scrum sprint's features, stories and tasks.
- Contributed in various Xamarin Android, Xamarin IOS & Xamarin forms projects.
- Involved in creating multiple POC apps, DB design, Normalization and scheduling DBA jobs. Responsible for converting UI designs into webpages, native android & IOS screens.



### **Software Engineer**

Harman connected services, Bengaluru India

**July 2016 - March 2018**

- Actively contributed in brain storming meetings for client enhancement solutions.
- Responsible for creating and implementing various retail category management algorithms in .NET stack. (C#, WPF, APIs, Schedulers and SQL Server)
- Worked on application process optimization. (Used 3rd party profilers for better optimization)
- Successfully deployed end to end system utilities, Software components and services.
- Implemented user specification, enhancement and bug fixes.
- Involved in process of migration of legacy product into a new robust product in various environments.

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## **STARTUP EXPERIENCE**



### **Software Engineer**

GrowthBox Consulting, Bengaluru India

**February 2016 - June 2016**

- Worked mostly as a Database developer, Responsible for making Web API (WCF), integrating interactive 2d / 3d charts and graphs with excel, pdf export options. Re-factored the Reporting DB from application database, optimized the data retrieval operation latency up to 70%.
- Responsible for writing large dynamic complex SQL stored procedure and T-SQL queries.
- Created and deployed console utility application for Automate console-based intake module application for importing data on server on real time. Integrated and Implemented 3rd party iText sharp DLL pdf report generation.



## Software Developer

Design crew - ITDC, Jalandhar India

May 2014 - January 2016

- Contributed to the development the organization from its early stages, helping to shape the business of the company. Worked directly with the product team located at Canada to enhance the features. Touched every aspect of product development cycle.
- Contributed in development of Classified and business deals portal within 3 months, gained 100+ active business and 1000+ deals listing within 60 days of launch.
- Responsible for front-end data binding in asp.net server controls, Ajax, and jQuery plugins. Created and deployed the web services (ASMX) for android apps supports.
- Worked on responsive web pages, implemented various JS and Social media plugins. Setup and Integrated Live chat JS Plugins.
- Worked with graphics designing team for making website and mobile application.
- Involved in creating Table, Stored Procedure, Joins in SQL Server 2008, Responsible for writing optimized SQL Stored procedure, functions and dynamic query in SQL server.
- Created RDLC reports and JS charts for the back-end panels with various export options like pdf, word and excel.
- Integrated SMS API in app and PayPal payment gateway for online sure payment.

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## EDUCATION



### Master of Science - MS, Computer Science (2023)

Liverpool John Moores  
University, Liverpool



### Executive PGP - Software development (2021-2022)

Indian Institute of Information  
Technology- Bengaluru



### Bachelor of Computer Application (2011 - 2014)

Lovely Professional University,  
Jalandhar India



### HSC- Higher School Certificate (2011)

Jawahar Navodaya Vidyalaya,  
Champawat, India



### SSC- Secondary School Certificate (2009)

Jawahar Navodaya Vidyalaya,  
Pithoragarh, India

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