Pradeep

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# Summary

* More than 20 years of experience in software development including, requirement analysis, design, development, client interaction and support.
* More than 6 years experience in developing mobile applications.
* More than 3 years experience in developing native Android mobile applications using Android Studio, Kotlin, Sqlite, Mockito, Firebase and Bluetooth LE.
* More than 3 years experience in developing cross platform mobile applications using Flutter, Dart, Android Studio, Sqlite, Mockito, Firebase and Bluetooth LE.
* Experience consuming REST API and Amazon Web services like S3 and Cognito in mobile applications.
* Experience in developing .Net applications using C#.Net, WinForms, WPF, ASP.Net, SQL Server and ADO.Net
* Experience developing WCF services using SOAP, XML and SOAP UI.
* Experience in developing and maintaining multi-threaded large scale windows applications using C++, MFC, COM, DCOM, Win32 and ATL, WinDBG and DebugDiag.
* Experience with version control systems such as Git, Perforce, SVN, VSS, etc.
* Extensive experience in Agile development methodologies using Rally and Jira
* Experience in estimating and planning with good knowledge of MS Project.
* Experience in documenting designs through UML diagrams using MS Visio
* Quick learner and good at learning new technologies and domains quickly

**Skills**

* Mobile and cloud Technologies: Kotlin, Flutter, Dart, SQLite, Mockito, Espresso, Android Studio, Bluetooth LE, AWS S3, DynamoDB, Cognito.
* .Net technologies: C#.Net, ASP.Net, WPF, WCF, ADO.Net, XAML, Silverlight , SQL Server,
* Windows programming: C++, VC++, MFC, ATL, COM, DCOM, Win32, WinDBG, DebugDiag, STL,
* Databases: SQL Server 2012/ 2008/2005, MS Access
* Version control: Git, Perforce, SVN, VSS,
* Third party tools: Rally, Review board, NUnit, FXCop,

# Education

* Post Graduate Program in Artificial Intelligence and Machine Learning from The University of Texas in 2021
* Master of Science (M.S) in Computer Science from Manipal University in 2014
* Bachelor of Technology (B.Tech) in Electronics and Communication Engineering from Nagarjuna University in 1999

# Experience

## December 2016 - December 2022

### Awoit Systems *-* Software Engineer

### Client: Syncro Medical

* **Digihaler** - Worked on a cross-platform mobile app named Digihalerfor patients with respiratory problems. Responsibilities included
  + Designing and developing multiple versions of the app for **iOS** and **Android** using
    - **Flutter**, **Dart**, **SQLite** for building the app with the following features.
    - Consuming **REST API** hosted on **AWS**
    - **Bluetooth LE** for communicating with the inhaler
    - **OAuth 2.0** and **Cognito** for authentication
    - **Sentry** for error monitoring and  **Firebase Cloud Messaging** for notifications.
  + Fixing bugs and making improvements.
  + Mentoring junior team members
  + Peer reviewing code changes
* **ProAir** - Worked on a native Android mobile app named ProAir for patients with respiratory problems. Responsibilities included
  + Designing and developing multiple versions of the app using
    - **Kotlin, Android Studio**, **SQLite** for building the app
    - Consuming **REST API** hosted on **AWS**
    - Unit testing using **Junit** and **Mockito**
    - UI testing using **Espresso**
    - **Bluetooth LE** for communicating with the inhaler
    - **OAuth 2.0** and **Cognito** for authentication
    - **Crashlytics** for error monitoring
  + Fixing bugs and making improvements.
  + Peer reviewing code changes

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## April 2016 - November 2016

## Argha Services - Software Engineer

## Client: Sabre

* **Load Manager** - Worked on the app Load Manager used for calculating and planning flight load before departure. Responsibilities included
  + Adding features to the app using using **C++** and **MFC**
  + Fixing bugs and performance issues
  + Developing a UI Automation testing framework for the app using **C#.Net** and TestStack White.

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## July 2012 - January 2016

## United Technologies - Technical specialist

* **Access Policy Manager** - Worked on Access Policy Manager which is a web application used as part of organization’s security to manage access policies. Responsibilities included
  + Designing and developing the application using **C#**, **ASP.Net**, **HTML5**, **CSS3** and **Javascript**
* **Visitor Management** - Worked on Visitor Management which is a web based application used as part of an organization’s security to manage visitors. Responsibilities included
  + Developing the front end using **WPF** and **XAML** and the server side code using **C#.Net** and **WCF**.
* **Facility Commander Wnx -** Worked on Facility Commander Wnx which is a distributed security management system dealing with credentialing, access control, video surveillance and alarm monitoring in large facilities like airports. Responsibilities included
  + Maintaining the application developed using **VC++**, **COM** and **SQL Server** to fix bugs and make improvements.

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## October 2010 - June 2012

## OpenText Corporation - Senior Software Engineer

* **OpenText Imaging Windows Viewer** - Worked on OpenText Imaging Windows Viewerwhich allows users to download, display, modify and save a wide variety of document and image types from SAP archives. Responsibilities included
  + Maintaining the application developed using **C++**, **MFC**, and **COM** to fix bugs and make improvements.

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## July 2005 - September 2010

## Invensys / Cognizant Technology Solutions - Senior Software Engineer

* **Profibus-on-IEE** - Worked on **Profibus-on-IEE** which is a project that supports users in configuring and retrieving data from Profibus devices and Fieldbus modules. Responsibilities included
  + Designing and developing application was developed using **C#**, **VC++**, **MFC**, and **COM**.
* **Web HMI** - Worked on Web HMI which is a browser based HMI tool for graphic visualization and control of automation systems using web browsers. The tool was developed using **C#**, and **ASP**.

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## July 2003 - June 2005

## Elico - Software Engineer

* **Easymatch OL** - Worked on Easymatch OL which was an application developed to measure color and test and analyze color quality of test samples in multiple industries. Responsibilities included
  + Designing and developing the application using **VC++**, **MFC**, and **COM**.

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## August 2000 - June 2003

## Jost’s Engineering Co. Ltd. - Software Engineer

* **Gearbox Vibration Analyzer** - Worked on Gearbox Vibration Analyzer which was an application developed to test the quality of car gearboxes by analyzing their vibration signature. Responsibilities included
  + Designing and developing the application using **VC++**, **MFC**, and **COM**.