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VINAY DEV M D

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PROFESSIONAL SUMMARY

- Software professional, with **10 years** of experience in design, development of applications with strong focus on Microsoft Technologies.
- Currently associated as **Technical Lead** with **ABB Ability Center, Bangalore Karnataka**.
- Technology stack include **C++, .Net Framework, C# .net, WPF** and other Microsoft technologies like **VC++, MFC** in windows Environment**.**
- Proven ability to design and development enterprise level application with full cycle development exposure.
- Skilled at writing **'clean'** code and at **'Refactoring'** the code.
- Support project management and lead estimations, releases.
- Ability to work independently and in a flexible, team oriented environments.
- Experience in lead/ mentor/ assist juniors and interns.
- An effective **communicator & negotiator** with strong analytical, problem solving and organizational abilities.
- Experienced in execution of all projects in **Scrum**, includes **Sprint Planning, Sprint Reviews, Sprint Retrospectives, Backlog Refinement** sessions and **Daily Stand-Up** events.
- Has worked in multiple domains like Industrial Automation, Telecom and Simulation.
- Good appetite for knowledge, willingness to learn new technologies.

EMPLOYMENT

Technical Lead   **ABB Global Industries & Services Limited**   **Since April 2012**

- ABB is a pioneering technology leader in electrification products, robotics and motion, industrial automation and power grids, serving customers in utilities, industry and transport & infrastructure globally.
- Worked in Industrial Automation domain. Implemented platform independent Aggregates library as per OPC specification in C++ and integrated to 800xa product using Test driven development approach.
- Involved in performance optimization and load testing of the huge data.
- Worked on Engineering Tool developed completely from scratch in WPF.

Senior Software Engineer   **Velankani Software Private Limited**   **May 2010 – March 2012**

- Velankani Technologies is service based company works with Telecom domain.
- Worked in a project which provides connectivity with WLAN, WWAN, and Ethernet protocols using several devices supported by the application and also involved in bug fixing and feature enhancements of the product.

Software Developer   **CAE India Private Limited**   **July 2008 – April 2010**

- CAE is a world leader in providing simulation and modeling technologies and integrated training solutions for the civil aviation industry and defense forces around the globe. With annual revenues exceeding C$1.6 billion, CAE employs more than 6,500 people at more than 90 sites and training locations in 20 countries. CAE INDIA PRIVATE LIMITED is Indian conglomerate of CAE, Montreal, Canada.
- Worked in Simulation domain in defense project for Indian Navy, involved in implementation of complete player module functionalities and also implemented tool to convert the altitude information sent by client in flat file to structured file formats recognized by our application which helps in saving team time spend to load the same map.

Software Programmer   **SSG Software Systems Private Limited**   **June 2007 – July 2008**

- SSG is Startup Company based in Bangalore.
- As a programmer worked in Data Entry software by DMAC, Involved in converting all the GUI forms from win32 to MFC GUI and code optimization with new features.
- Developed General Licensing tool for Company's Software Products.

India, IN

- M.S in Software Systems, 2014. from WILP, [BITS Pilani University](#)
- B.E in Telecommunication, 2006. from [Visvesvaraya Technological University](#)
- Graduate Coursework: Software Foundations, Computer Architecture, Algorithms, OOAD, Advance Operating System, Pervasive Computing, Technical Communication.
- Undergraduate Coursework: Operating Systems, Logic Design, DSP, Micro processor programming.

LANGUAGES AND TECHNOLOGIES

Languages\Technologies Hands-on	C++, C# .net, VC++, MFC, WPF, .Net framework, XML, XAML, AML, REST API, Micro services (Service Fabric).
Other Skills	OOPS, Design Pattern, UML, Enterprise Architect, OOAD, NUNIT
Process Related Applications /Tools	Jira, ALM, Klocwork (Static Code Analysis Tool), Style Cop and Code Analysis.
Platform/ IDE	Microsoft Windows, Visual studio 2017, VC6.0
Configuration Management	SVN, Tortoise, Visual Source Safe, TFS, Git
Debugging Tools	WinDebug, DebugDiag, and Process Explorer.

ORGANIZATIONAL EXPERIENCE (PROJECTS)

With ABB Ability Innovation Center, Bangalore Karnataka

Title: Basic History
Description: A module/service collects data from ABB controllers which is intern sent by hardware's connected to it and saves it in ABB proprietary database, this data is analyzed using aggregates algorithms designed as per OPC specification.
Skills and Tools used: C++, Multithreading, SQLITE database, OPC Specification, VS 2012, TFS

Title: Bulk Data Manager (BDM)
Description: 800xA Engineering tool helps for field engineer to create multiple tags in single operation and modify the same, above tool was migrated from VB6.0 to WPF. BDM is standalone tool compatible with latest windows version implemented with MVVM pattern, earlier BDM was tightly coupled with MS Excel, and with this new tool we have removed that dependency by using spreadsheet gear third party control.
Skills and Tools used: WPF, multithreading, MVVM, VS 2012, TFS

Title: I/O Signal Handler
Description: Engineering tool developed to scan field signal data from hardware and same has been compared with customer data in excel sheet and check the mismatch between this data with several use cases and result of these is compared with engineered data, final compared result is accepted by user and send for control builder to finally configure the hardware by downloading the program. As part of this project we are supporting different protocols and different controller supports. Also have plans to move this product to cloud based micro service architecture using Microsoft Azure.
Skills and Tools used: WPF, Multithreading, VS 2017, TFS, Protocols specifications, OPC.

With Velankani Software Pvt Ltd, Bangalore Karnataka

Title: Roaming Client (2010 – 2012)
Description: Its Innovative product offers combined features of mobility and desktop operations to the user, supports WWAN,WLAN and WIMAX services with SMS support ,involved in new features implementation.
Skills and Tools used: C++, XML, MFC, DLL's, Multithreading, Socket Programming, GUI Designs

With CAE India Pvt Ltd, Bangalore Karnataka

Title: Poseidon War Game (2008 - 2010)
Description Poseidon is a naval tactical trainer with additional capabilities designed for naval war gaming. It is a comprehensive simulation based system that facilitates the conduct of realistic naval operation training. It comprises of network of computers used as a player work stations and a game control station.
Skills and Tools used: MFC GUI Design, Socket programming , Models design

ADDITIONAL EXPERIENCE AND AWARDS

- Best Performer Award for completing BDM in defined timeline as per our GATE Model.
- Best Performer Award for fixing Customer CCRP L4 priority case in given deadlines.
- Best Performer of the year for finding a solution for Generating License Key for Company's Software Products.
- Appreciation for Execution time Optimization for integrating huge Altitude data to the map by creating a tool.
- Received Second Rank award in B.E Telecommunication Engineering from TATA.

INTERESTS

Mobile and desktop application development.
Cycling, Swimming and playing musical Instrument.