ASHISH AGARKAR



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* 16years of experience in Software Development, Integration, Validation, Configuration Management, DevOps, Project Management, Mentoring, Leading, onshore–offshore co-ordination and Team Performance review.
* Manage the complete range of project activities right from conceptualization to installation , testing, technical support, trouble shooting, field issue resolution and maintenance.
* Applications development in C#.net, Python, Visual Basic, HTML, XML, VB Script, Java Script and version controlling using Git, GitLab and ClearCase.
* Experienced in Embedded C, Matlab/Simulink/Stateflow and UNIX environment. Agile methodologies and Object-oriented development techniques.
* Requirement development, writing, reviewing Test Plan, Test Process, Test Cases and execution (performance, regression, acceptance, compatibility, system, functional and localization etc.,).
* Experienced in communication protocols J1939, UDS and CANalyzer.
* Strong vehicle electronic systems background, ability to define, develop and interpret strategy.
* Rapid Problem Solving (RPS), 6 Sigma Projects, and Proof of Concept: E.g. Telematics solution. Knowledge of AWS, Azure, Virtualization and Infotainment.
* New proposal, customer engagement, estimation and managing financial aspects SOW and PO.

**Technical Skills**

Programming Languages : C, C#.NET, Python, Matlab, Simulink, C++,HTML, XML and Java Script

OS-Unix Interface : UNIX, Windows, PuTTY and Exceed

Web-Cloud-Database : VBScript, Power BI, AWS, TCP/IP, HTTP, Azure, Access, REST & SQL Server

IDE : Visual Studio2017, VS Code, MATLAB R2016b and IntelliJ

Tracking Tools : PTC Integrity, Rational Clear Quest, Atlas

Configuration Tools : Git, GitLab, GitHub, Rational Clear Case, VSS 6.0, Azure and Puppet

Build Tools : InstallShield, Visual Studio Installer and Build forge

Hardware & Data link : Trace32 debugger, Softing Tool, CANalyzer, PEAKsys, DLB, LUIS Box

**Professional Experience**

**Designer–Technical Project Leader (**KPIT-Cummins Inc., Columbus, IN) Jan2011 – Until Date

* Effort estimation, risk management like analyzing, documenting and monitoring the risks.
* Gather requirements from the end customers and document those.
* Lead design, development of application in C#.net, Python and version control using Git-GitLab.
* Work on establishing CI/CD (Azure, GitLab) for all the applications developed in group so far.
* Automate work by developing applications which save manual efforts. Using Power BI for data analytics.
* Scrutinize software component revisions, their dependency on other components by deep diving into Embedded C code and MATLAB models and update software build configuration accordingly.
* Develop software features using Matlab Simulink, Embedded C and validation on Simulator.
* Build Prototype software using UNIX environment and validate on closed loop load box and on vehicle.
* Troubleshoot customer issues, debug code, provide solutions, and change algorithm accordingly.
* Analyze datalink traces to understand communication problems between Controller and Engineering software.
* Review software changes in weekly and during D/P/L phase release meetings and update stakeholders.
* Support tools interface for new products development as well as responsible for products compliance to Engineering standard work before P Phase delivery and generate/maintain warrantable software.

**Lead Software Automation Engineer** (KPIT-Cummins Inc., Columbus, IN) Jan2011 – Until Date

* Generated idea and created POC to automate P phase software audit, Issue Tracking System and Error Table Compares.
* Develop requirements, architect the solution, work on design and software development in C#.
* Read bunch of xml files, parse those and merged in one.
* Wrote Python script to read html files and color code the software changes per requirement.
* Using Git and GitLab for repository-version controlling.
* Test application from start to end of development cycle.
* Work on application enhancement and run defect tracking meetings.

**Environment:** C#.net, Python, C, Matlab, VB, XML, HTML, Access DB, SQL Server, Git, GitLab, SVN and Clear Quest.

**Sr. Software Engineer** (KPIT-Cummins Inc., Columbus, IN) May 2006 – Dec 2010

* Designed and Developed Industrial Engine Features using Embedded C, Matlab Simulink, UNIX environment and validation on Load box simulator.
* Scrutinized software components and generated build configuration by identifying dependent components
* Troubleshooted customer issues, changed algorithms accordingly.
* Extensively used debugging methodology, and error handling techniques.
* Design review software changes and released to production.
* Provided postproduction support, Task allocation and status report.

**Automation:** Software Lifecycle Tracker and Call Capture application

* Generated idea and developed an application in Visual Basic to track customized software life cycle.
* Implemented auto email notification to concerned users which saved lots of follow up efforts.
* Converted excel log into a C#.net application and saved lots of manual efforts of logging-tracking.
* Involved in complete Software development life cycle.
* Responsible for application enhancement, bug fixing and maintain repository on ClearCase.

**Environment :** C, Matlab, C2ST, CAN, PCAN, Inline V, J1939 protocol, VB ,C#.net, MS access Database, VSS, Clear Quest, Lotus database, Calterm III, INSITE and Engine Simulator

**Software Engineer** (KPIT-Cummins Inc., Pune, India) May 2004 – Apr 2006

* Worked with client team to gather and develop requirements and UI prototyping.
* Business logic implementation using C#.
* Wrote software rules using Visual Basic Script.
* Extensively used debugger tool to validate application at different level of development cycles.
* Assisted development team to perform UAT, analyze engine domain related issues.

**Environment:** C#.net, XML Web Services, SQL Server, VB script, VSS, Rational CQ and Lotus database.

**Education**

* Bachelor of Engineering passed with First Class, Pune University, Pune, India, 2003
* Diploma of Engineering passed with First Class, Mumbai Board, India, 2000
* Diploma in Software Testingpassedwith ‘A’ grade,Seed Infotech, Pune, India, 2004

**Certifications and Professional Achievements :**

* Nanodegree Cloud Track – Azure Developer, Udacity, In progress
* Completed Challenge course [Bertelsmann Scholarship](https://github.com/AshishA13/Ceritifications) on Udacity– Azure, Python and SQL
* Certification Python, Git-GitHub, Config Management from Google on Coursera.
* Cloud Computing using AWS, CI/CD using GitHub and Azure.
* Completed courses on C, C#, C++, Python, SQL, Azure DevOps, Pipeline, Core Java, Power BI and Agile
* Certified Technical Leader and Leaders in Making Program.
* Certified 6 Sigma green belt.
* Delighted Customer awards several times for good performance, efficiency and quality outputs.
* Won First prize at intra university product design competition at Pune University.