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Summary

- Involved in all gamut of project management including initiation, planning, execution control and monitoring and closing phases of the project.
- Have tremendous exposure under the domains of Aviation and Aerospace, e-learning solutions, Telecommunication and GUI development, managing and supporting software projects with both Agile Scrum and Waterfall methodologies.
- Possess expertise in Embedded system design and model-based development, skilled at progressing from requirement capturing to VAPS designs, Simulink models, Application integration and Python scripting for automated testing.
- Involved in end-to-end software development which includes requirement gathering, estimation and planning, design, execution, quality assurance, releasing products and monitoring.
- Had been exposed to each of the phases of Software Development Lifecycle (SDLC) and experienced to work as a team member as well as an individual performer under the large development groups.
- Experienced in working DO178B and process-oriented environment.
- Possesses strong analytical, technical and communication skills required to convert abstract and complex software requirements to successful implementation. More than 2 years of experience in team/module leadership.
- Strong organization skills, multitasking and mentoring individuals to maximize levels of productivity by resolving dependencies. Excellent communication, great inter-personal and have professional attitude and ethical approach.

Education and Certification

Masters of Science Electrical and Computer engineering   2010
University of Florida, Gainesville, FL
Bachelors of Engineering Electronics and Communication Engineering   2005
     Anna University, Chennai, India (First Class with Distinction)
- Ground Pilot Certification
- Microsoft certification
- Java Certification

Professional Experience

Data Analyst – University of Irvine -Bootcamp   Mar-2022-present
- Built VBA scripts in Excel to automate tedious manual processes
- Created Python-based scripts to automate the cleanup, restructuring, and rendering of large, heterogeneous datasets
- Used version-controlling software such as Git to collaborate on open-source software.
- Employ statistical models to predict and forecast trends
- Utilize real-world data sources to showcase social, financial, and political phenomena.
- Use advanced SQL and NoSQL techniques to combine multiple datasets into one so as to create even more impressive and comprehensive databases
- Work with and lead small-scale teams in order to create applications and visual datasets

System Engineer -Panasonic Lake Forest California, United states   Jan2020-May 2020
- Worked on Live Text news Application
- Involved in verification and validation of the software application.

Senior Software Engineer – Thales Avionics Irvine California, United States   Oct 2014 – Jun 2018
- Monitored and managed project execution of the web-based application and allocated resources enriched in technical domain for the successful execution of the project.
- Conducted meetings and training session to help the resources expertise in the technical domain.
- Provided feedback to the team members and supported them to achieve their career growth.
- Prioritized the tasks and followed agile methodologies to allocate the tasks and worked as scrum master to reduce the backlogs to ease the flow of the project
- Developed selenium tests for the web-based application used for packaging the content before content loading to the rack.
- Testing modules are developed for admin role pages to integrator level pages, thus automating the test have reduced testing time from weeks to days.
- Performed and verified the contents in INFLYTE Entertainment system after packaging the contents in web-based application, in Linux environment
- Provided flight scripting for more than 15 airlines including British Airways, Saudi Arabian Airlines.
- Troubleshooting and involved in maintenance activity of the Flying airlines.
- Maintained quick turnaround of any field related issues on flight scripting

Software Engineer – Rockwell Collins, Cedar Rapids, Iowa, United States   Jan 2011- 2014 njk

PROJECT #1

Client	Embraer Executive Jets, Lear Jet, Gulf Stream Aircrafts and Cseries
Title	Fusion Display System Application
Duration	2011 – 2014
Role	Software Developer, Lead - Team, Software Verification Engineer.

Description: Fusion Display System Application - Embraer Executive Jets/Lear Jet team deals with development of applications such as Display Window Manager, Primary Flight Displays and Navigation Master Application.

Responsibilities:

- Designed and Developed Software in C/C++, Performed Variability Analysis, Created the Wrapper C Code, Built and Integrated the software Elements into executable software for the target (LYNXOS178) and the host (VISTA) environments ➤ Verified Software functionalities by writing Test cases in DOORS and ATPS in Python and Test Harness.
- Developed the functionalities in the Navigation of different window domains such as Flight management system, Engine Crew Alert System, Charts, Radio tuning system Application.
- Written and Enhanced Functionalities in the Display Window Manager application which manages the display of Different Windows from other domains especially the cursor management of Pilot, Copilot side and connection management with different domains.
- Managed the team of ten and acted as the primary focal, Provided Regular Training and Mentoring of the team members for the support of both Offshore and Onsite.
- Worked with project focal to identify the scope of the project, allocate the requirement including low level and high-level requirement in DOORS.
- Tailored the project processes to narrow down to the scope of the project. worked with subject matter experts and PMO to finalize the project processes.
- Conducted community of practice (COP) for interdepartmental programs to spread the knowledge of the domain.
- Involved in the troubleshooting, debugging the functionalities using Vista Rehost and Written Test Cases, Automated test Procedures and performed structural coverage analysis of the developed codes.

Software Developer - MRCC, Mumbai, India   2006 - 2008
PROJECT #1

Client	Houghton Mifflin
Title	E – Learning Solutions
Duration	2006 – 2007
Role	Software Developer, Team Lead, Engineer R&D Team

Description: MRCC Software Chemistry, Mathematics Team deals with development of e –Learning Solutions.
Responsibilities:

- Strong experience in working end-to-end development life cycle(SDLC) of e – learning projects, through the gamut of phases from Requirements Gathering of raw manuscripts from the course instructors to Quality Review up until project deliverables to onshore team, using Agile and Waterfall methodologies.
- Created the website user interfaces in ASP.net and gained strong experience of writing Database stored procedures and triggers.

PROJECT #2

Client	Princeton University
Title	E – Learning Solutions and MRCC R & D Team
Duration	2007 – 2008
Role	Software Developer, Team Lead, Engineer R&D Team

Description: MRCC PU Software Team deals with development of e –Learning Solutions. Responsibilities:

- Designed and programmed Defect tracking tool using ASP.net to effectively track bugs, expedite the work flow.
- Designed and developed Project Tracking tool using JSP as front end, SQL Server as back end.
- Gained experience in Gathering Requirements from the customer, produced use case diagrams, developed UI designs using HTML, CSS and Adobe Photoshop and maintained content using XML.

- Integrated the Developed Application, Performed unit Testing and System Level Testing.
- Developed Test Cases, Test procedure and performed both White Box and Black Box testing.
- Responsible for the customer final deliverables and Trouble shooting and debugging the issues.
- Led the R&D team of six and acted as the primary contributor for the development and support of Defect Tracking and Project Tracking tool.
- Provided Regular Training and Mentoring of the cross team - Chemistry, Accountant and Mathematics.

Internship - L & T InfoTech, Chennai, India

Developed an image processing application used for copyright protection and intellectual property right using digital wavelet transform in MATLAB.