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| Anupam Menon |

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**CLEARANCE -** Active TS/SCI with Polygraph (Review: Jan 2022)

**OBJECTIVE -** Seeking a position in System Engineering building upon demonstrated abilities in design, management, and analysis and testing.

**EDUCATION**

**George Mason University**, Fairfax, VA

**B.S. System Engineering (**May 2012): Major GPA 3.31

**George Washington University,** DC

**M.S in Systems Engineering** (December, 2014): Cumulative GPA: 3.60

**TECHNICAL SKILLS**

Design Programs: Maple, Core and Sysml Magic Draw, Arena and Extend, SAS 9.2, PostgreSQL 9.1.3

Languages: Java, Python, Matlab, C/C++, Django Web Framework, JavaScript, JQuery, and AngularJS

Operating Systems: Windows (all versions), DOS, OSX, and Linux

Applications: Microsoft office suite, DOORS, ClearCase, ClearQuest, ServiceNow, MagicDraw/Cameo

Certification: CompITA Security+

**EXPERIENCE**

**Lead MBSE Engineer/Systems Architect/VA Site Manager at L3Harris** (Oct 2021-Present)

* Created the initial Basis of Estimate (BOE) for the systems engineering activities for Title 10 Project
* Lead the MBSE team for the follow-on Denali proposal effort
* Developed and Maintained the Technical Artifacts required in the Cameo Model as per the customer documentation
* Managed the Process and test data for the system during acquisition, development and test phase.
* Design and Developed the DODAF viewpoints such as SV-1 and SV-2 for ground systems
  + Created SV-2s for new and established ground systems to show as an integrated system
* Created different activity models for the systems involved to better understand and provide assistance to the dev-ops and software engineer team.
* Responsible for the management of test data used throughout the system
  + Created an entity relationship architecture for the test data used in the system with all of the value properties
* Evaluated alternative solution and established preliminary system design
* Develop System/Subsystem test procedures
* Developed the initial CM plan and model that would be followed by the entire DevOps and Test team.
* Executed the Requirement mapping process for Denali Program
* Managed a team of 5 Systems Engineer and 3 Astro engineers to execute their day-to-day activities
* Assisted in developing the initial system architecture of the Mission Planning Tool system

**System Engineer Technical Advisor Lv 4 at SAIC Inc.** (Sep 2020- Sep 2021)

* Acted as an integrator for space to ground interfaces
* Conceptualized and developed new space to ground automation architectures
  + Assisted in developing capability roadmaps from a ground perspective
* Provided technical assessments to acquisition, source selection and programmatic processes, including developing acquisition support documents, conducting verification and gap analyses
* Developed documents and briefings to communicate work or study status, brief government and industry as required
* Provided technical support to customer activities

**Senior Consultant at Deloitte Consulting LLC** (Mar 2017- Sep 2020)

* Led a team of 4-6 developers developing ServiceNow application for the IRS
* Led the technical section of the Request for Information (RFI) document for the state of Texas to have a need of a fleet management system
* SME on ServiceNow Helpdesk system for the US-India Deloitte HQ team where I estimate story points, and provide guidance to the management on the potential of ServiceNow, and assist the development team.
* Helped write the technical section of different proposals for Deloitte.
* Developed and managed 7 ServiceNow applications for the clients, which has saved them over 3 weeks of downtime
* Performed as a scrum master and the lead developer for the federal project leading 9 Service Now applications
* Documented and completed the 1st version of the audit process for a federal client.
* Created a staged plan for a major system upgrade from Geneva to Helsinki and migration to the Fusion platform for each environment individually starting with Development
* As part of the upgrade process, I went through each collision in the system and identified how to address each one.  Once all collisions had been addressed, performed the validation of the application to ensure functionality.
* Designed a front-end application using HTML, CSS, jQuery, JavaScript and Python in ServiceNow using MySQL as the backend.
* Developed an integration system in ServiceNow Platform that allowed the user to import Data between multiple systems.
* Utilized python to create a SOAP web service call to receive air fares from the SABRE system as part of one of the ServiceNow application

**Engineer Level 2 at Northrop Grumman** (Jan 2015- Mar 2017)

* Developing and supporting design and development activities using Python on a complex system
* Created test plans to support the proper verification and validation of the software products
* Reviewed applicable specifications, test procedures and recommended operating procedures
* Communicate issues with work flow to team about any design and procedural issues
* Interfaced with multiple design engineers to develop system operational products
* Developed testing procedures that allow successful test and verification of the applications.
* Developed an understanding of system engineering processes and deploy those processes against the system operational products to maintain a safe system
* Supported tiger scrums/teams to work towards a common tasks and/or goals
* Identified and mitigated the various risks
* Communicated progress against tasks and/or goals with management
* Developed and reviewed operational procedures/products using python language
* Developed validation procedures for system products against system emulation that includes simulation fidelity
* Ensured product standards are accurately enforced
* Provided guidance to all junior engineers and/or other within the team to help facilitate a stronger team
* Supported the proposal team by keeping track of the giver/receiver schedule for the different departments who supported the program.
  + Also supported the management, track down the tasks due for the month for FY15/FY16

**Engineer Level 2 at Engility Inc.** (June 2014 – Jan 2015)

* Continue the radar study to statistically analyze the advantages of radars MTI mode using python/matlab
* Guide interns by providing possible alternatives/suggestions to achieve their project solution
* Provided detailed analyses on Radar systems that shows target activity and identify target trends.

**Engineer Level 1 at Engility Inc.** (Aug 2012 – June 2014)

* Conducted a study to analyze the advantages of radars MTI mode using python/matlab
* Created models in STK to analysis different space systems functionality under different scenarios
* Led/guided a team of interns in creating a weather model for JFORCES (Joint Force Operational Readiness and Combat Effectiveness Simulation) environment
* Developed new tools and techniques for demonstrating and measuring the impact of intelligence collection on both the blue force commander’s information needs satisfaction.
* Created automated tools that have provided a convenient and targeted analyst access into detailed logs to isolate and highlight the significant differences between alternate possible intelligence solutions.
* Developed the tasking scheduler in python that fed into JFORCES which automated tasking supporting different military scenarios
* Assisted in analyzing different Advanced Systems Architecture (C4ISR) in a Linux environment supporting a wide range of military scenarios ranging in scope from engagement through campaign level conflict
* Designed and implemented different interfaces to analyze different Advanced System architectures to support military scenarios.
* Improved and added significant features to the JForces software used for simulation and analysis of different architectures
* Supported the development of the NITF Database that provides web-access to the NITF standard specification for early standards coordination, validation and interface description to allow sensor developers to define their sensor’s data and metadata (population profile) during the early stages of development and provides a means of collaboration for proper interpretation of the NITF standard.
* Experience in defining and developing Enterprise-Level system standards requirement and interfaces.
* Currently supporting NITF Database development effort.
* Developed the NITF Database Interface Description Control Document (ICD) report, as extracted from database contents.

**Junior Technical Intern at TASC Inc.** (June 2012 – Aug 2012)

* Installed and configured the Dialogic Board (D/4PCI-UFW) to enable cell phone calling feature.
* Created a temporary database in PostgreSQL with employee information.
* Implemented an API that will call the cell phone of employees entering a classified area upon swiping their badge
* Gained knowledge through training courses on Verification and Validation and Causal Analysis.

**ACCOLADES AND ACTIVTIES**

* Spot Award for my contribution in evaluating system interaction to the AS&T organization in
* Dean’s List (Fall 2012)
* Achieved SEIDS’12 UVA Decision Analysis and Support: Best Paper Award 2012 IEEE
* Achieved The Decision Analysis Society of the Institution of OR&MS: Award of Excellence Best Presentation (Decision Analysis Track, SYSTEMS ENGINEERING CAPSTONE CONFERENCE, 2012)
* Member of AFCEA (Armed Forces Communication and Electronic Association), George Mason University, Sept 2010- present