Alexandrea Nguyen

Systems Engineer - Northrop Grumman

Santa Clarita, CA - Email me on Indeed: indeed.com/r/Alexandrea-Nguyen/2113fda5a3e68bba

WORK EXPERIENCE

Systems Engineer

Northrop Grumman - November 2016 to Present

• Perform system engineering tasks in support of GPS III Follow-On Production (GPS III), Laser Weapon System Demonstration (LWSD), NG Operational Excellence (OE):
◦ Design, develop and expand the reference architecture (for GPS, LWSD, and OE) applying MBSE methodoly using tools such as Rhapsody/MagicDraw;
◦ Take part in systems engineering functions including requirements management, technical risk management, requirements analysis, functional decomposition, use case development, and interface analysis
◦ Assist in verifying and validating system-level requirements for gap analysis
◦ Review technical capability documentations for completeness and correctness
◦ Participate and present at the monthly technical interchange meetings (TIM) with customers

Engineering Specialist

The Aerospace Corporation - August 2016 to November 2016

Assisted in the development of a cybersecurity risk network management in order to assess and prioritize all information systems that comprise the Air Force Satellite Control Network (AFSCN)

Systems Engineer & Enterprise Architect

TASC Inc - 2013 to August 2016

• Developed and implemented operational view, technical standards view, capabilities view, and system views for architecture using applicable DoDAF 2.0 and applying model based system engineering (MBSE) to deliver the Global Positioning Systems (GPS) and MILSATCOM Satellites architecture model
• Using the aforementioned architecture views to create and update the acquisition documents per DoDI 5000.2 (Information Support Plan (ISP), Capability Development Document (CDD), and Capability Production Description (CPD))
• Performed end-to-end functional analysis, requirement allocation and capabilities mapping to assist customer in trade study

Systems Engineer - Associate

Booz Allen Hamilton - 2002 to 2012

• Developed and created Government Reference Architecture (GRA) DoDAF 1.5 models and views for the Global Positioning Systems (GPS). Supported the development and review of GPS ISP, CDD through JCIDS process. Coordinated the resolution of action items from Configuration Control Board (CCB) meetings, design reviews, program reviews, and test reviews that require cross-discipline coordination
• Managed the requirements database (DOORS) enabling the stakeholders on the Transformational Satellite Communications System (TSAT) to identify and evaluate the requirements applied to integral aspects of its activities, products, and services
• Customized and maintained the SAP Business Warehouse Reporting module on the NASA Integrated Financial Management Program (IFMP) project. Liaised between NASA program administrators and members of the project's operations implementation team. Managed the NASA's help desk team for atmospheric flight research and operations

Oracle Database Administrator

Lockheed Martin Information Technology - 2001 to 2002

Led the development of a customized Cost Management Information System (CMIS). Ensured that the CMIS interacted properly with the legacy Oracle Financial Data Warehouse and mainframe Labor Information System

Oracle Programmer

Time Warner Studio - 2000 to 2001

Used PL/SQL programming languages to design and develop a Sales Tracking Module -prepared and organized sales report volumes to management and external stakeholders

Oracle Database Administrator

GTE Government Systems Corporation - 1997 to 2000

Functioned as the financial analyst - planned, designed, created, and maintained the Air Force Research Lab (AFRL) Financial Application Database

EDUCATION

Bachelor of Science in Management Information Systems

California Polytechnic State University   -   San Luis Obispo, CA
June 1994

SKILLS

Data Warehouse (1 year), database (10+ years), Enterprise Architect (3 years), Oracle (5 years), SAP (10+ years)

ADDITIONAL INFORMATION

Technical Skills:
* Database Management Systems: Oracle RDBMS (Versions 6, 7, 8i, and 9i)
* Database-Related Tools: IBM DOORS; Rational Rhapsody & System Architect, Sparx Enterprise Architect version 10, NoMagic Cameo Enterprise Architect, Oracle Developer, Oracle Designer, Oracle Enterprise Manager, Oracle WebDB, Oracle Web Portal, Oracle Discoverer, Oracle Data Warehouse, Oracle Web Toolkit, SQL*Forms 3.x, SQL*Menu 5.x, SAP ERP R/3 Modules MM, FI, CO, SAP add-ins: BW (Business Information Warehouse)
* Programming Languages: Oracle PL/SQL, SQL*Plus

* Operating Systems: Unix/Solaris, Windows […]