# ****Brian Hoang Nguyen****

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**JOB OBJECTIVE** **Computer and Networking Engineer**

Education

**2019 – 2020 Wilmington University, Delaware.**

B/S Computer and Networking Security GPA: 3.52.

**2009 – 2011 Southern California Institute of Technology (SCIT), Anaheim.**

General Electrician Diploma (Graduated). GPA: 3.2

**Clearance Type Holding:**  **Secret DoD Clearance (Granted 2018).**

**Certification**

* + - * PC Pro Computer Certification
      * Windows Server 2016 Install and Storage/ Deploy VM, and Domain Control, Load balancing.
      * GE Electrical Diploma.
      * Agile and Model Base System Engineering Training, PCLM, Network Cloud Computing, Database Cluster Network. (Northrop Grumman)
      * CCNA Enterprise. (In-process)
      * CompTIA Security + Certification (In-process)

**Computer Skills**

* Experience in a professional programing language such as Visual Studio, C#, C++, Python, JavaScript, Ansible, ReactJS, Full Stack .NET Developer. Familiar with Endpoint protection of Centos/UNIX, Windows, and macOS.
* Cyber Penetrating testing: Nessus, Nmap, OpenVAS, Metasploit and Kali Linux toolset.
* Ability to monitor and respond to any security incidents and respond to information security incidents as needed.
* Perform digital forensics on live or offline evidence, recover, and backup and retrieve live/offline evidence, artifacts.
* Ability to deploy virtual machines, setup DNS, Domain Control server, Email Server, and Security Service as administrator Windows Server 2016.
* Problem-solving skill and development Agile, and Model Base System Engineer, and Network Security includes firewall, proxies, and anti-virus.
* Ability to perform LAN, DMZ, and internet-facing security scanning of mission-critical devices on corporate and guest networks for potential vulnerabilities, malicious programs, and recommended appropriate actions.

**Experience**

**Jan 2020- Present Northrop Grumman (El Segundo, CA)**

**Position: Software Development Engineer (Enterprise Service)**

* Designing, specifying, configuring, install and maintaining local area networks, hardware, software, and telecommunications services such as personal computers, system software application, printer, server, router, bridges, switches, moderns, cabling, and Internet service provider (ISP).
* Developing and implementing policies, and procedures related to network hardware and software acquisition, use support, security, and backup.
* Maintain current WAN/LAN networks, configure and adapting the network for future growth. Independently assess, analyze, determine and develop collaborative approaches and solutions to a wide range of environments
* Communicating with other departments to report and resolve software, hardware issue, and potential upgrade of network security that needed.
* Support, maintain, diagnose, process, and deliver engineering software solutions on a suite of applications for the Research Technology & Engineering (RT&E) Organization.
* Research, design, develop, and/or modify enterprise-wide systems and applications software.
* Experience in the planning of system and development deployment, meeting software compliance standards, evaluating interface between hardware and software, ensuring optimal operational system performance, reviewing characteristics of overall system architecture, testing, training, and maintenance of any implementation.
* Perform all of the following activities plus any additional ad hoc requests as required. Deliver high-quality results without immediate supervision by manager or project lead
* Ability to communicate professionally and translate technical details into layman terms for customers both inside and outside the ES AS PMO.

**July 2017- Dec 2019 L3Harris Technology Corporation (Torrance, CA)**

**Position: System Test Engineer**

* Support of development engineering activities such as design, test, checkout, fabrication, modification, and assembly of electronics and Electro-mechanical systems.
* Configuration Network System, perform software verification and deploy software to stations.
* Applications included analog, digital, and/or video type circuits and logic systems. Guidance is readily available from the superiors or Engineer department for the first build unit.
* Experienced in using Oscilloscope, Spectrum Analyzer, hand-held voltage meter, Hi-Pot Test, DC-AC digital power supply, and automation test system.
* Support Projects: Ka-band, Q-band module power (Airborne), Travelling Wave Tube (TWT) for rocket and satellite application, Thyratrons (Laser application military), Electric Propulsion (Space Thrusters), TWT Amplifier (satellite).

**July 2016- July 2017 Jet Propulsion Lab (NASA-JPL) Pasadena, CA**

**Position: Engineering Development Technician 3**

* Support of development engineering activities such as design, test, checkout, fabrication, modification, and assembly of electronics and Electro-mechanical systems, solar array, mechanic and hydraulic landing system.
* Fabricating and assembling high quality/high-reliability wire harnesses and electromechanical assemblies. Perform spacecraft assembly in final integration at Military Air force Space.
* Programming firmware upgrade of flight system control. Load balancing and sensor
* Environmental test MIL-STD-810, Environmental Engineering Considerations, and Laboratory Tests. Performs routine operational tests and fault isolation on development flight hardware systems and equipment to ensure conformance with design specifications.
* Diagnoses and isolates malfunction down to component level. Conducts defined engineering tests and collects data as assigned.
* Support Projects: Mars 2020, Mid-Infrared Instrument (James Webb Telescope), NISSAR, Cold Atom Laboratory (ISS), Europa Clipper (Europa), OCO3 (Earth Observatory 3), Juno, MER, MSL, and MRO (Mars).

**Oct 2012 – July 2016 Zodiac Aerospace Systems (Brea, California)**

**Position: Engineering Technician.**

* Troubleshoot electronic components, circuit boards. Experienced in using Oscilloscope, Spectrum Analyzer, hand-held voltage meter, Hi-Pot Test, DC-AC digital power supply, and automation test system.
* Conducted instruments, component circuit testing, and board troubleshooting level.
* Design and build test-fixture, cockpit module, and prototype unit. Work with Engineer and field service technician in abroad field service trip. Perform ATP and functional tests for aircraft electronic electrical systems.
* Software Remote Upgrade of Airplane Cockpit and Lighting System, Electrical power System, Inflight Entertainment IFE products such as 15”, 17”, 19” RAVE (RDU), System Control Unit (SCU), Wi-Fi Hotspot Amplifier (WCU), Handsets, Media onboard broadcasting system.
* Support Projects: Aircraft Cockpit and Lighting System, Electrical power System, Inflight Entertainment IFE products such as 15”, 17”, 19” RAVE (RDU), System Control Unit (SCU), Wi-Fi Hotspot Amplifier (WCU), Handsets, Media onboard broadcasting system.

**Language:** English, Vietnamese.