NICK HOANG
4906 Sammy Joe Drive
Fairfax, VA 22030
571-314-2182
nickhoang1@gmail.com

PROFESSIONAL SUMMARY:
- Over 20 years of in-depth software development experience. Accomplished software engineer and team leader. Extensive practical knowledge in J2EE, Web programming, Cyber Security, Database, Open Architecture, Agile, POA&M, 508 Compliance, PIV, SOA, C4I, GIS, testing, and integration.
- Ability to solve complex problems and efficiently deliver high quality products on schedule. Dependable, positive attitude and strong communications skills.

TECHNICAL SKILLS :

Software : Java, J2EE (JSP, JavaScript, JQuery, Angular, Ajax. JSON, XML, SAML), C/C++, Perl, Shell, Python
Web servers : JBoss, Tomcat
Frameworks : Struts, Spring, Hibernate, AWS
Database : Oracle, SqlServer, MySQL, PostGreSQL, Sybase
Dev. Tools : IDE (Eclipse, Netbeans), Maven, Ant, Spring Security, Jenkins, CAST, HP Fortify, AppScan, AWS, Active Directory, JIRA, JUnit, Business Rules (Progress/Corticon), Middleware , Map Toolkits (TDF, ArcGIS, JCMTK, STK), Req. tools (CaliberRM, DOORS, ReqPro, SharePoint), CM Tools (SVN, ClearCase, Dimensions, CVS), Fiddler, Purify.
Platforms : Linux, Solaris, UNIX, LynxOS, VxWorks, AIX, Windows, IBM OS.

SECURITY CLEARANCE:
Active SEC/TSA/OPM Public Trust, Inactive DoD Secret.

PROFESSIONAL EXPERIENCE:

Securities and Exchanged Commissions (SEC) via Oculus Group LLC.
May 2018- Present
Senior Consultant
- Scanning and analyzing security vulnerabilities in SEC EDGAR application using CAST AIP tool.
- Developing and testing SECOIA Salesforce, PPM ServiceNow applications utilizing J2EE and AWS technologies.
- Reviewing and analyzing SEC Security Hardening Process utilizing AWS services.

Soft Tech Consulting
Chantilly, VA
May 2014 – May 2018
Sr. Software Consultant
- Developed the Freight Assessment System (FAS) web application for the Transportation System Administration (TSA) to investigate and track cargo/shipper information.
- Enhanced the application for PIV (Smart Card) Authentication with OpenSAML/Spring Security.
- Scanned and analyzed security vulnerabilities using HP Fortify, IBM AppScan, and SonarQue.

- Designed and implemented front-end and back-end software components in Struts 2, Java, JSP, JavaScript, Ajax, JQuery, Hibernate, JBoss, Oracle, SqlServer. Additional duties include compiling the design and build documents, mentoring developers, and conducting product demonstrations to the TSA.

Enlightened@opm
Washington, DC
2012 – May 2014
Sr. Software consultant
- Developed the Scheduling component of the EPIC Transformation project for the Office of Personnel Management to create, schedule and process background investigative items to be used by US federal agencies and contractors. Duties include designing, coding software in Java, Spring, Hibernate, JBoss, Oracle, Corticon Business Rules, Dimensions, and working with System Integration Testing team.

GD-AIS, Fairfax, VA
2003–2012
Sr. Advance Software Engineer I
- Responsible for full software development life cycle of several programs including Common Network Interface (CNI), Air and Missile Defense Planning System (MIPS), Integrated Topside (InTop), Common Display System (CDS), System Integrator/Design Agent (SIDA), Collins Towed Array Processor (CTAP) and Acoustic Display Computer Program (ADCP). Duties include working and leading other engineers for the above programs.

2012 : Modified CTAP software to reduce the footprint and enhance program functionalities in Acoustic Control, Display and System Performance Monitoring. (Scum, Java, JPF, XML, Signal Processing).

2011 : Developed WebServices and Infrastructure Service applications to provide comprehensive radar monitoring displays for the InTop program. (Java, Spring MVC, UML).

2010-2011 : Tested and fixed software issues in real-time CDS system (C++, real-time LynxOS, Shell). Assisted the testing team to validate and build the system.

2009-2010 : Worked with MIPS program, an N-Tier Application, to develop Air Tasking Order, Map and Doctrine Alert components (Swing, AGI map toolkit, Web-services, XML, Glassfish).

2004-2009 : Led the effort to design and develop the Operator Controls System Requirement Specifications and Display Software using ReqPro, Java, XML and NDDS. Implemented Tactical Situational Display, Human Machine Interface with WebServices, Info-node, TDF and DOORS. Redesigned Tactical Display components with Rhapsody, ArcGIS and CJMTK.

2003-2004 : Developed ADCP for the Navy AN/SQQ-89 system using Java Swing and DSR Middleware.

Convergys Corp.
Fairfax, VA
1998–2003
Lead Programmer

- Served as a team lead in designing and developing a Circuit Provisioning System (UML, C++, Java, Oracle, PL/SQL, TCP/IP, TecNet) for the Netherlands' Network Management System using Ericsson and AT&T network devices. This system processes customer orders, designs circuit layouts, configures devices, tests and monitors more than 50K leased line circuits.

- Built a J2EE web application to query and display Networked Circuit View. Designed and implemented a multithreaded Fault Management System to analyze the alarms reported by the Netherlands' PTT leased-line network and created trouble tickets. Develop an order-inventory information system.

- Developed a database transactional file system to transmit orders and network data. Provided customer support and scheduled releases.

- Additional duties include working as a Configuration Manager using Rational ClearCase version control.

Freddie Mac
McLean, VA
1997–1998
Software Consultant

- Designed, coded and managed major software components for Freddie Mac's Loan Prospector product, which is used by many financial institutions to evaluate and process mortgage/credit applications. These components were developed in C, Java, Visual Basic, Perl, Sybase SQL, RPC/DCE, Shell scripts.

- Worked on a Y2K project to analyze and fix millennium bugs in the company's systems.

- Developed Loan Prospector's software tools to monitor mortgage loan's transactions and generate customized reports. Prototyped new 3-tier business applications for the company's mortgage loan application process.

Cincinnati Bell Information System
Fairfax, VA
1995–1997
Programmer

- Developed Client/Server applications for the Spectrum Network Management System including Circuit Configuration, Fault Management, and Trouble Ticketing. The applications are designed in Rational Rose and implemented in C++, Oracle, CoreWare, Rogue Wave Tools.

- Implemented RPC UNIX applications interfacing with Spectrum NMS to collect, analyze, and report Circuit Quality/Network Quality.

Bolling Air force Base
Washington, D.C.
1994–1995
Consultant

- Developed a 3-tier application to maintain top secret classified data for ADAPT system used by the US Air force. Developed a GUI application to help System Administrator track and query the active status of each element in integrated networks. It applied a proactive approach to Network Management.
- Implemented Client/Server applications written in C, Korn Shell, uniREXX, and RPC to monitor a RS/6000, HP and Sun computer network. Designed and implemented a Generic Data Conversion tool for different Database formats in Motif.

IBM
Manassas, VA
1987–1994
Senior Associate Programmer
- Involved in several DoD contracts (Q5-E, BSY-1). Responsible for high level design, coding, integration and testing a real-time, embedded system developed for Navy's submarine sonar computers (IBM 3900, RS-6000, UYK) using C, Ada, PL/I, AIX and Interleaf. Implemented a device driver for an IBM 3090 mainframe to interface with RS-6000 and Sun RISC processors using TCP/IP architecture.
- Developed a real-time network system running VxWorks on SPARC processors for Navy's BSY-1 training system. Maintained a Network Management System (TCP/IP via Ethernet, NTDS and FDDI) for RS-6000 workstations.
- Prototyped satellite communication software for ARTIC processors (IBM research project). Integrated and tested software modules for high resolution display units for use on Navy's sonar computers.

EDUCATION
B.S. in Computer Science, University of Maryland, May 1987, 3.5 GPA.
Completed 6 graduate level courses in Software Engineering at George Mason University, and many IT and project management professional training courses.
Excellence Program Awards. Consistently exceed expectation in performance reviews.