

John Collins
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Experience: Project lead and supervisory experience. Active clearance, TS/SSBI DoD background investigation last adjudicated in 2011.

I have a decade of software development experience with distributed processing and high-demand applications and a half decade of hands on computing security work that includes full system life cycles from provisioning to decommissioning.

1/2013-Present – Department of Defense, Charleston SC
Chief Engineer JEOD

Technical lead for team of systems administrators, integrators, change managers, database administrators, testers, and developers supporting the operations and continuing development of the Joint Explosive Ordinance Decision Support System (JEOD-DSS). Lead code reviews and troubleshooting for the JEE application which incorporated STRUTS, Hibernate, Spring, JackRabbit, and LifeRay Portlets in a JSR 168 container. Created Integrated Master Schedules for development work for the code base as it is being migrated to a new JSR 286 runtime environment. Responsible for providing strategic and tactical guidance, analysis of alternative, cost reviews and other program management tasking. Directed the migration off Oracle ASM/RAC to single instance Oracle VMs. Refactored the enterprise schemas, unified the table spaces, etc. resulting in a 40% performance improvement and a recession in technical risk stemming from the limited talent pool of personnel that could support RAC. Streamlined and updated the infrastructure, putting everything on the same firmware, updating to VMWare 5.1, removing 4 of 6 Java containers in 2 environments, and removing several hundred thousand dollars on unneeded software and hardware renewals. Acted as the Oracle DBA for at least 4 months because of vacancies on the team. Various other tasks such as CRON scripts, public key infrastructure configuration & certificate revocation list, VB Marco refactoring, BASH scripts, etc.

1/2010 – Present University of South Florida, Sarasota, Florida
Adjunct Professor

Mentored students in the core subject matters and tangent subjects as requested (e.g. how would I approach the issue at work, how can I get a particular job, interviews for projects in other classes on various topics, etc.). Responsible for the development and presentation of course materials for the following classes:

- CIS 3615 – Secure Software Development – Focused on the use of Java to create secure and robust applications and runtime environments. Topics include practical examples and is very hands on. The Eclipse IDE including FindBugs for static code analysis, EcEmma and JUnit for test code coverage, and SVN code repository use.
- CIS 4932 - Database Security and Auditing, in which students used Microsoft SQL Server and Oracle 10g as reference databases for security against tools and attacks such as Nessus, NMap, and SQL Injections. Students learned about database linking, user provisioning, and overall security architecture for information system.
- CIS 3932 - Web Application Security, in which students gained an appreciation for Web 2.0 security implications. A review of HTTP, XML, SOAP, and other protocols segued into a survey of Technologies including Rich Internet Applications (RIA) and Service oriented Architecture (SOA).
- CIS 4361 - IT Security Management. This class is an overview of information security management techniques and concerns. Topics include: Access control systems, telecommunications and network security, security management practices, applications and systems development security, cryptography, disaster recovery planning, legal and ethical issues, and physical security.

- COP 3931 – Laws and Legal Aspects of IT. Over the course of this class students are introduced to issues germane to copyright, privacy, liability in regards to technology. Policy implications for eDiscovery, public record use, obscenity, net neutrality, freedom of speech, and other issues associated with the ubiquity of the Internet are discussed as are more technical issues such as how the Digital Millennium act affects reverse engineering efforts.

4/2012-1/2013 – Baling Bay, Charleston SC

Chief Engineer JEOD

Position was converted into a government billet.

1/2011 – 4/2012 Barling Bay ETS, Stuttgart Germany

Systems Administrator

During my time with Barling Bay I worked as a Team Lead for both Systems and Network Administrators. Primary point of contact for the JMSIL system and routinely did code modifications and administration for the Java based Message Pump application used for International exercises. The system was migrated with my teams assistance from a bare metal implementation to a VMWare environment. I built and maintained the Exchange 2007 system and preformed all the normal duties associated with Systems Administration in a DoD environment including Application Vulnerability testing (to Web based automated tool was made available so per the STIG a penetration test was manually performed to identify weakness), Gold Disk audits, Log Reviews, HBSS, Server and Client configuration and troubleshooting, etc. Technologies included: Windows Server 2008, Windows Server 2003, Windows 7, Windows Vista, Windows XP, VMWare Infrastructure, Cisco (routing, switching, telephony, and firewalls), SharePoint 2010, and Exchange 2007.

4/2010 – 1/2011

Information Security Analyst III

Assisted with ensuring the proper Information Assurance (IA) activities were being performed for the Adaptive Planning (APEX) and National Senior Leadership Decision Support Services (NSLDSS) program. Acted as liaison with the SPAWAR Systems Center Atlantic Project Manager and the overarching OSD, DISA, and JFCOM team. Assisted in the preparation of IA documentation such as SSAAs, SSPs, and other Certification and Accreditation (C&A) related deliverables used in the DoD environment. Designed, developed, and recommend integrated security system solutions that ensured proprietary and confidential data and systems were protected. Provided technical engineering services for the support of integrated security systems and solutions; participated with the client in the strategic design process to translate security and business requirements into technical designs; configured and validated secure systems; tested security products and systems to detect security weakness; ensured project schedules and performance requirements were met; contributed to the development of the organization's goals and objectives; and frequently interacted with customers and functional peer groups where decisions or failure to achieve results would have caused delays in schedules. Demonstrated the ability to work with Web based software development, integration, and testing in a Web services environment. Applied what I learned in previous development experience using Java Server Pages (JSP), Servlets, JavaScript, Public Key Infrastructure (PKI), Extensible Markup Language (XML), Java Messaging Service (JMS), and JBOSS to troubleshoot issues for the team and contribute to the Service-Oriented Architecture (SOA) of the program. Worked with System Administrators in the configuration and operation of both Linux and Windows based systems. Called on my understanding of associated protocols (HTTP, FTP, DNS, WWW, SSH, Telnet) and other specialized experience in system administration of Linux systems and Shell Scripting (Bash) to move the project forward as needed. Gained a base understanding of portlets and portal technologies working with colleagues as they developed applications running in J2EE. Finally, worked with the DISA VMS system and Gold disk in the maintenance and patching of operating

systems, Oracle 11g databases, application servers, and supporting technologies. Acted as a data transfer authority (DTA; Low to High, High to Low) and classified courier.

4/2009 – 4/2010 Government Solutions Group, Charleston, South Carolina
Information Consultant

Responsible for the analysis, development, provisioning, and support of numerous information systems and components associated with the Net-Enabled Command Capability (NECC) initiative at SPAWAR Systems Center Atlantic. Conducted Security Readiness Reviews (SRRs) for the Web and Database components of the Navy C2RPC Reference Implementation (RI) Stack. Assist a larger team with the integration and orchestration of Web Services. Apache module builds, installation, and documentation as a reverse proxy for NetOp COP on the SIPRNet. Deployment and configuration of Capability Modules (CMs) such as the Service Oriented Architecture (SOA) stack for Net Enabled Command and Control and Force Projection on NIPR and SIPR. Worked with diverse technologies being configured, secured, and tested including JBoss, Apache, GeoServer, Oracle 10, Weblogic 10, Open SSL, and Open SSO.

4/2009-12/2009 Trademark Recruiting, Tampa, Florida
Consultant

Provided part time transition support for Gold Standard with the Mediation Alternative Database.

1/2004 – 4/2009 Gold Standard (Reed Elsevier) , Tampa, Florida
System and Security Analyst

Java EE design and development (Spring validation and Dependency Injection (DI/IOC), Hibernate, Web Sphere, Junit, Log4J, DB2/MSSQL, STRUTS, EJB, XML, & Web Services). Maintenance of .NET application (C#, NANT, NUnit, MSSQL (T-SQL, DTS packages, and Stored Procedures), and classic ASP code. Gap analysis for HIPAA compliance using NIST SP 800-66 and supporting SP 800 and FIPS documents and associate application risk analysis. Hardening and defense of Bastion Red Hat server and Windows servers using Snort & Port Sentry. Firewall Configuration (Juniper) and log monitoring using Stonylake's Firewall reporting software. Penetration testing using Nessus, Web Scarab, Sam Spade, Web Inspect, etc.

7/2001 – 1/2004 CP Ships, Tampa, Florida
Sr. Developer (Architect Team)

Used the Rational Unified Process (RUP) with Rational tools (Rose, ClearQuest, ClearCase, and XDE) for Unified Modeling (UML), Object Oriented Analysis and Design for JEE development. Acted in roles ranging from sole developer to the lead for a team of 5. Used WebSphere with the JEE technology stack including EJB, JDBC, JMS, JSP/Servlets, STRUTS, MDBs, XML (DOM and SAX) etc. ANT scripts were employed rather extensively. Created code for Documentum integration using the JDBC APIs. Used Microsoft Project 98 for project planning and management. Defined and presented business cases for development direction. Established justification of technology used - based on cost and functionality.

7/2001 – 1/2004 CP Ships, Tampa, Florida
Sr. Developer (Architect Team)

Used the Rational Unified Process (RUP) with Rational tools (Rose, ClearQuest, ClearCase, and XDE) for Unified Modeling (UML), Object Oriented Analysis and Design for JEE development. Acted in roles ranging from sole developer to the lead for a team of 5. Used WebSphere with the JEE technology stack including EJB, JDBC, JMS, JSP/Servlets, STRUTS, MDBs, XML (DOM and SAX) etc. ANT scripts were employed rather extensively. Created code for Documentum integration using the JDBC APIs. Used Microsoft Project 98 for project planning and management. Defined and presented business cases for development direction. Established justification of technology used - based on cost and functionality.

3/2001 – 6/2008 Walt Disney World, Orlando, Florida

Dive Master/Cast Member

While working at Disney I was part of a world class dive team that hosted the Dive Quest experience for quests. I was responsible for guest safety and presentations. Prior to working at EPCOT I was a seasonal cast member at the Studios.

3/2000 – 6/2001 Ariba, Tampa, Florida

Software Engineer (Framework Team)

Developed an ANT based build for the Marketplace Product and actively participated in the build process. Worked with the infrastructure team of the Marketplace product on many aspects at all functional levels. Integrated JMS into the system to allow communication with legacy systems and other enterprise software. Ported JSPs and our EJB from WebLogic to WebSphere Made required changes to code base to support the custom MVC solution. Created the External Gateway API that allowed HTTP to be used as the conduit for Java Byte code and system calls over the Internet. Authored the installer for the 7.2 through 7.5 releases that configured all necessary property files in the WebLogic server and server scripts. Platforms used were AIX, NT Server 4.0, and Solaris. Used WebLogic's JMS implementation to run CXML and Email subsystems. Created a second Application (via addition of WebLogic.property file) for CXML and Email subsystems in the Weblogic server to speed the Marketplace Application up and avoid possible deadlock situations.

9/1998 – 3/2000 Instructional Science and Development Inc., Pensacola, Florida

Senior Software Engineer

Web site development with HTML, JavaScript, CSS, XML, Flash 4.0, MSSQL Server, Java (Servlets and SQL APIs), and Cold Fusion 3.1 in support of Pensacola Naval Training efforts. Developed a Web based graphics catalog/search engine using a set of Java Servlets to interact with distributed database architecture and present the results to the user in an HTML format. Assisted in network configuration and maintenance, NT 4.0 server administration, and Database design and administration.

Education:

8/2015 Capitol College, Laurel, Maryland, **DCs Information Assurance (est, currently 1/3 complete)**

8/2008 Capitol College, Laurel, Maryland, **MS Information Assurance**

8/1999 University of West Florida., Pensacola, Florida, **BS in Computer Science**

8/1996 University of West Florida., Pensacola, Florida, **BA in Liberal Arts**

8/1999 Okaloosa Walton Community College, Fort Walton Beach, Florida, **AA in Education**

Other Education, Certifications, and Ratings:

- CISA #410158
- Linux+ #S4ADTT503A
- CISSP ISSEP #316432
- GSEC and GCIH #28193
- CIEH #VH7VKTW49III
- SOA Certified Architect and Certified SOA Security Professional #094319
- MCP #8025136
- VCP 5
- NSTISSI 4011 – National Training Standard for Information System Security Professionals.
- CNSSI 4012 – National Information Assurance Training Standard for Senior Systems Manager
- CNSSI 4013(a) – National Information Assurance Training Standard for System Administrators (Advanced)
- CNSSI 4014(a) – National Assurance Training Standard for Information System Security Officers (Advanced)

- CNSSI 4015 – National Training Standard for System Certifiers
- CNSSI 4016(a) – National Information Assurance Training Standard for Risk Analysis (Advanced)
- Private Pilot
- PADI Open Water Instructor #183095