

Sr. Software Engineer Sr. Software Engineer Sr. Software Engineer - L3Harris Technologies, Inc
Lynchburg, VA Work Experience Sr. Software Engineer L3Harris Technologies, Inc - Lynchburg, VA
January 2009 to Present <http://www.l3harris.com> Software lead for application to audit inventory
of network devices. ? Application written in C# and utilities Microsoft SQL server and RedHat
Ansible to collect inventory. Software lead for Key Management Facility, KMF. ? The KMF
implements the P25 OTAR standard. It generates AES/DES key material and distributes them
securely over the air to P25 radios. Radios use the key material to encrypt voice communications. ?
KMF is written in C# and utilizes Microsoft SQL server to store data. Software lead for Secure Key
Exchange, SKE. ? SKE implements the P25 Inter-KMF Interface, IKI, to securely transfer key
material between IKI clients. IKI is based on S/MIME and uses public/private key cryptography. ?
SKE is written in C# and using Microsoft SQL Server and SQLite to store data. Software developer
for internal network configuration tool. ? Collaborating with lead network engineer to extend the
functionality of an application writing in MFC C++ used to dynamically generate network
configurations for network routers. Software developer for VIDA presence service. ? Application
written in C and runs on Linux. For all products, provide project estimates, maintain software
manuals and provide technical support. Java Developer Genworth Financial - Lynchburg, VA
December 2005 to December 2008 <http://www.genworth.com> Developed Java Enterprise Edition
code for life insurance web application. Java code written using Eclipse IDE and utilized EJB, JSP
and servlets. Web application ran on IBM WebSphere. Wrote SQL code to run on Oracle
database. Provided documentation of software components. Software Developer TEDS Inc -
Atkins, VA December 2003 to September 2005 <http://www.teds.com> Developed Java Enterprise
Edition code for commercial Human Resource web application. Java code written using Eclipse
IDE, using JSP and servlets. Maintained legacy C components using Microsoft Visual C++ IDE.
Wrote SQL queries to run on Microsoft SQL server and Sybase databases. Provided
documentation of software components. Software developer Field Diagnostics Services Inc -
Langhorne, PA August 2000 to November 2003 19047 <https://www.fieldiagnostics.com/>
Developed C/C++ code for HVAC application running on Palm OS device, using Metrowerks's

CodeWarrior IDE and POSE (hardware) emulator. Developed C++ code to transfer data from Palm OS device into Sybase database on Windows. Developed dynamic web pages using ColdFusion, Dynamic HTML and SQL. Provide technical support and documentation for end-users. Education Bachelor's in Computer Science Keele University - Keele August 1996 to May 2000 Bachelor's in Mathematics Keele university - Keele August 1996 to May 2000 Skills SQL (10+ years), C/C++ (10+ years), C# (10+ years), Java (5 years) Additional Information Skill Summary Eighteen years of professional software development, over a wide range of languages and technologies. C# Microsoft Visual Studio C/C++ Microsoft Visual Studio - MFC Eclipse IDE for C/C++, on Unix/Linux Dynamic HTML CSS / HTML / JavaScript Java Eclipse IDE Java Enterprise Edition - JSP / Servlets / Java Enterprise Beans (EJB) IBM Websphere / JBoss / Apache Tomcat SQL Microsoft SQL Server Sybase Oracle Other supporting technologies Bugzilla / CVS / IBM ClearCase & ClearQuest / VersionOne JSON / XML

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