

Nicole Grant

Software developer responsible for developing - Coriell Institute for Medical Research

Mount Laurel, NJ - Email me on Indeed: [indeed.com/r/Nicole-Grant/ba0a5e9a619fd45c](https://www.indeed.com/r/Nicole-Grant/ba0a5e9a619fd45c)

WORK EXPERIENCE

Senior Software Engineer

Wealth2k - Charleston, SC - October 2013 to Present

Responsibilities

- Technology and tools used: Java, J2EE, XML, XSLT, MSSQL Server, SQL, JavaScript, Dojo, HTML
- As the sole software developer, responsible for developing, debugging, testing and integrating a Financial Resource Planning tool written in Java, JavaScript, HTML, XML, XSLT, JSON and other libraries. Responsible for distribution of software product, maintaining all network and hosting system, creating new functionality and all testing.

Accomplishments

Major upgrade from java 6 to Java 8. Miigrated database from MSSQL Server 2008 to MSSQL Server 2012.

Skills Used

Java, J2EE, XML, XSLT, MSSQL Server, SQL, JavaScript, Dojo, HTML

Software developer responsible for developing

Coriell Institute for Medical Research - January 2011 to Present

Software developer responsible for developing, debugging, testing and integrating LIMS (Laboratory Inventory Management System) with custom software and IBM Websphere Lombardi Edition. Responsible for developing custom interfaces to manage lab processing and inventory of millions of lab samples. Created over 300 stored procedures for the database interface.

Software Engineer Contractor

General Dynamics Information Technology - August 2010 to January 2011

Software developer responsible for developing, debugging, testing and integrating Machine Control Systems software in VxWorks OS and Windows OS. Using C# and .Net to interface with third party software solution.

Software Engineer

Lockheed Martin - November 2003 to August 2010

Software developer responsible for converting an ADA program to a Java SOA application. Designed, developed and implemented this Fault Detection and Fault Isolation tool with EJBs and persistence using SPRING and Hibernate. Used middleware applications to communicate with APIs. Earned a Lockheed Martin Corporate Team Special Recognition Award in recognition of innovative product development.

- Software Lead of 5 person software development team responsible for defining the architecture, designing and implementing an open-architected custom web application used to display mission readiness status. Defined and implemented APIs for existing products and third party vendor products to interface with the web based portal.
- Tornado IMS product developer responsible for interfacing with a third party COTS authoring and publishing tool. Developed XML and FOSI code to automate technical document generation and delivery. Created a Java web application to deliver documents. Awarded a SPOT award for contributions.

- Developed, designed and tested display and processing code for the TTWCS program, using C++ and Java in an UNIX environment. Implemented developer tools for GUI development utilized by the development team to automate and speed up the GUI development process. Responsible for porting 500,000 lines of code in a three month period from HP 10.2 UNIX to a Linux environment, including the CORBA implementation update.
- AMOD Tad product developer responsible for developing the CM application code in Java using J2EE, JSP, Java Script and Servlets for GUI portions.
- Developed, designed and tested math and algorithm related application code for DS Programs, using Java and C#/.Net.

Software Engineer

Siemens Health Services - July 2003 to November 2003

Developed software solutions for components of the Radiology application including interfaces to ADT, result processing, Voice Interfaces and network interfaces. Implemented interface between application programs and Radiology System.

Software Engineer

Front Porch Digital - May 2003 to July 2003

Front Porch Digital - Implemented a GUI based tool, using Java, C++ and Visual C++ to develop and maintain broadcast software solutions. Implemented and interfaced with Oracle database.

Software Engineer

NCO Group - January 2003 to May 2003

Developed, tested and integrated programs, using C++ and C in a UNIX environment developed, tested and integrated programs to automate all financial aspects of collection applications.

Software Engineer

Lucent Technologies - June 2000 to December 2002

Using MFC Visual C++ and ActiveX components designed and implemented a GUI based tool used to develop, maintain and manufacture wireless cell phone base stations.

- Using C++ and C languages in a UNIX environment, developed wrappers that enabled top-level software that reside in Windows 2000, Windows 98 and NT4.0 environments to communicate with Lucent proprietary 3G low-level hardware components.
- Using UML design methodologies and Rational Rose tools, developed design specifications to effectively communicate with system software and hardware designers. Implemented the data-sharing code using XML and COM.
- Using VxWorks and C code, implemented low-level software APIs performing functions such as formatting serial memory devices.
- Participated in all stages of software development including requirements definition, coding, unit test, and system level integration and test.

Software Engineer

Lockheed Martin - April 1997 to June 2000

Used Rational Rose, Rational test products and object-oriented methodology to document and communicate the software design.

- Implemented complex algorithms essential to the performance of a next generation decision aide in C and C++. Interfaced the application and Oracle databases using SQL. Implemented code utilizing shared memory and TCP/IP sockets.
- Managed a large-scale software development project in a distributed processing environment. Monitored budget and cost performance of subcontractors on the software development project. Developed and

monitored manpower schedules and delivery schedules. Designed a web-based information-tracking database used to maintain issue related data.

Software Support Specialist

Computer Sciences Corp - June 1993 to March 1997

Member of the Multi-Element Integrated Test team responsible for installation and testing of operating systems and real-time computer programs and software. Responsible for installing, updating, maintaining, and archiving computer programs and systems. Configuration Management duties included preparing and installing engineering updates as well as making QA deliveries following defined CM/DM processes.

Imagery Analyst

United States Marine Corps - September 1985 to June 1993

Interpreted and analyzed multi-spectral, electro-optical and advanced synthetic radar images in support of training and operations of US Armed Forces. Analyzed digitized imagery data to prepare and present daily intelligence briefings for US Armed Forces in support of operations.

EDUCATION

M.S. in Computer Science

Stevens Institute of Technology

May 2008

B.S. in Computer Science

Drexel University

1999

SKILLS

Java, C++, C#, .Net

ADDITIONAL INFORMATION

- * Experienced in all aspects of Client/Server environments software development and design.
- * Experienced in all aspects of web development and design.
- * Implemented software across all stages of life cycle development. Proven record of implementation.
- * Multi-tasker able to manage supporting multiple projects.
- * Most comfortable in quickly changing technical environments.
- * Very strong organizational and analytical skills.
- * Previously held Top Secret, SBI, and Poly
- * Honorably discharged US Marine

Technical Expertise

Languages Java, C++, C# .NET, C, Visual Basic, UML, XML, HTML

Architectures SOA, Client/Server, Open Architecture

APIs Swing, Javadoc, Java Beans, J2EE(EJBs, JSP, Servlets, RMI), MFC

Frameworks J2EE, JSF, .NET, CORBA, SPRING, Hibernate

Technologies .NET, ATL, COM, STL, MFC

Application Servers Tomcat, JBoss

Concepts Multithreading, OOA/OOD Methodology (Rational Rose), Design Patterns, Refactoring

Operating Systems Linux, UNIX, Windows (95, 98, 2000, NT, XP), VxWorks
Databases MySQL, ORACLE