

Ross Adjei

Software Engineer - Java, Python, DevOps, Data Analytics

Lansdale, PA - Email me on Indeed: [indeed.com/r/Ross-Adjei/66a53ccf29c76396](https://www.indeed.com/r/Ross-Adjei/66a53ccf29c76396)

Authorized to work in the US for any employer

WORK EXPERIENCE

Software Engineer / DevOps

Northrop Grumman - Conshohocken, PA - 2014 to Present

Served as member of Global Command & Control Joint team to develop Java/J2EE application that enhances situational awareness through intelligence data, and analysis. Participated in all aspects of software life cycle using Agile/Scrum software development methodologies.

Accomplishments include:

- Develop and maintain REST service with spring boot; deploy with docker image
- Create a docker image (a self-contained capability package) that enables more flexibility, independent delivery, and deployment to target users.
- Automate repetitive tasks such as the installation/configuration of applications and services, patch management, and deployments on Linux (RHEL/CentOS) with Shell Scripts.
- Implement custom scripting solutions to improve operational efficiencies with Python.
- Develop Linux RPMs, & Solaris Packages with Maven.
- Participate in design workshops, code reviews/optimization, mentor Junior developers.
- Use Jenkins for integration testing, JIRA for defect/bug tracking, & Git/Bitbucket to manage and share git repositories.

Data Scientist

Northrop Grumman - Conshohocken, PA - 2013 to 2014

Responsibilities

Worked in support of analytics initiatives for R&D program (i.e Sandbox), which repeatedly demonstrated how analytics can provide adaptive solutions to some of the most significant challenges in the military domain.

Accomplishments include:

- Supported the Research & Development of data analytics system, collected and analyzed data.
- Used Pandas DataFrame to read in, clean, process, and visualized data and models with Matplotlib.
- Used Scikit Learn APIs for simple statistical data analysis; data extraction, & computation.

XQuery / Java Developer

Northrop Grumman - Conshohocken, PA - 2008 to 2013

Led a team of 4 to develop a high-throughput search engine (i.e. Enterprise Help System). Designed and developed XQuery library modules that leveraged structured and unstructured data integrated.

Accomplishments include:

- Developed Help System with Java OOP, XQuery Library Modules, jQuery and NoSQL/XML Databases such as MarkLogic, & BaseX for Intelligence Analyst. Manage projects with Maven.
- Designed and developed various XML Schemas used by the Enterprise Help System application.
- Implemented XML conversion tool with XQuery (transforms large legacy DTD based XML docs to XSD based XML docs) to help cut down the company's cost.

Software Engineer

MedRisk Inc - King of Prussia, PA - 2005 to 2008

Worked with a team to develop a Claim Expert system for the workers compensation industry.

Accomplishments include:

- Implemented Electronic Funds Transfer system.
- Developed stored procedures (select, updates, insert, indexes) for enhancing performance for data access with MS SQL Server with Java OOP.
- Led the implementation of code reviews that detected programming errors early in the development process, accelerating product go-to-market time.
- Automated previously manual, time-consuming processes to drive gains in data tracking/accuracy, and profitability.

EDUCATION

MS in Information Systems

Drexel University - Philadelphia, PA

September 2011 to June 2013

Bachelor's in Computer Science

Cheyney University of PA - Cheyney, PA

2000 to 2004

ADDITIONAL INFORMATION

PERSONAL DEVELOPMENT

DevOps & Big Data

- Ansible configuration management tool for automation.
- Python & Scala (beginner) for data analytics

TECHNICAL EXPERTISE

Languages: Java, Python, Ansible, XQuery, XML, XSD, XHTML, CSS, JSON, JavaScript, Maven

Frameworks: Spring Framework, Spring Boot, Apache Hadoop/Spark, Apache Struts

Concepts: OOA/OOD/OOP (UML, Design Patterns/Principles, Refactoring)

Software: Eclipse IDE, PyCharm (for Python), Oxygen XML Editor

NoSQL/DBs: MarkLogic Server, BaseX, Hibernate, Oracle, MS SQL Server, MySQL, Sybase

Platforms: Linux (RedHat, CentOS, Fedora, & Ubuntu), Unix/Solaris, Virtual Machines, Windows

App Servers: JBoss, Tomcat, Weblogic

Other: Git/Bitbucket, Docker, SVN, JIRA/Confluence, Jenkins, Crucible, Maven Repo Manager (Sonatype Nexus, Artifactory)

CERTIFICATIONS & OTHER

- Earned Linux Certifications - LPIC-1, LPIC-2

- Obtained Active Dod Top Secret Security Clearance