

TYMESHA WATKINS

SOFTWARE ENGINEER LEAD

An accomplished Software Engineering Lead specializing in Object-Oriented Design and Analysis with expertise in the full life cycle of the software design process including requirements definition, prototyping, proof of concept, design, interface implementation, testing and maintenance. Excellent communication skills and problem-solving abilities to develop high quality software utilizing various programming languages and design patterns.

SUMMARY OF QUALIFICATIONS

A highly organized, take-charge professional with more than eleven years computer technology experience. Strong problem solving and decision-making skills with the ability to develop and implement effective action plans. Excellent communication and presentation skills. A team leader, providing motivation and training by example. Possesses expertise in Object-Oriented Analysis/Design, C# and Java Development, skilled at progressing from problem statement to well-documented designs. Strong knowledge of PL/SQL, C# and Java. **Top Secret: 09/15/2019 CI and Full Scope Poly: 03/2009**

TECHNICAL EXPERTISE

Languages	JAVA, C#, PL/SQL, HTML5, JavaScript
Database	Oracle, Sybase, MySQL, MS SQL Server
Frameworks	J2EE, CORBA, DDS, Spring
Concepts	OOA/OOD (UML, Design Patterns, Refactoring), Networking, Unit Module and System Level Testing
Software Systems	Rational Rose, Hibernate, Remedy Windows (NT, XP, 7, 2010), UNIX (HP-UX and Solaris), Linux (RedHat, CentOS, Fedora, Ubuntu)
SCM	CVS, Rational ClearCase, MS Visual SourceSafe

PROFESSIONAL EXPERIENCE

2016-2018	SOFTWARE ENGINEER	CACI	ABERDEEN, MD
	<ul style="list-style-type: none">• Developing with Java, Javascript, C# and HTML• designing, developing, documenting, testing, and debugging software that contains logical and mathematical solutions to mission problems• Demonstrated experience writing or contributing to end user instructions or manuals• Demonstrated experience assigning, coordinating, and reviewing the work and activities of developer personnel• Demonstrated experience using rapid prototyping and Agile based software development methodologies• Demonstrated experience developing innovative analytical solutions• Demonstrated experience using Java-based technologies to develop enterprise systems• Demonstrated research and development experience on the progression of ideas to production systems• These Qualifications Would be Nice to Have:<ul style="list-style-type: none">• Understanding of machine learning concepts• Experience with development in microservice based architectures• Demonstrated experience with NiFi automation• Demonstrated experience with PCAP• Demonstrated experience with continuous integration and software CM processes / tools (GIT, JIRA, Confluence)• Security+ Certification		

- 2015-2016** **CEO** **Watkins Care Givers, Inc. Huntsville, AL**
- Drive strategi planning, business development, and fiscal operations
 - Establish positive relationships with clientele and other franchise business leaders
 - Develop overarching goals and initiatives
 - Managed the day to day operations of the organization
 - Developed the organization network-infrastructure
 - Developed the organization marketing scheme
 - Developed and implemented employee training manuals and policies
 - Performed employee First-Aid and CPR training
- 2009-2015** **Software Engineer/DBA** **Northrop Grumman**
Huntsville, AL
- Designed, developed and maintained software in JAVA and C#
 - Developed, implemented and maintained two successful error-free prototypes.
 - Lead small agile development team as scrum master
Created design documents and ER modeling.
 - Maintained data dictionary documentation.
 - Developed software design documentation
 - Performed risk analysis on database transition. Developed the database transition document. Implemented the database transition according to my recommendations
 - Developed and implemented FMS product security updates according to the latest NIST guidelines
 - Founding member of two employee resource groups.
 - Led diversity and inclusion focus group. Presented results and recommendations to Executive board.
 - Initiated STEM projects in elementary schools
- 2008-2009** **General Engineer IV** **Northrop Grumman**
United Kingdom
- Designed, maintained several database applications
 - Automated the daily, weekly, and monthly reports.
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 - Automated the daily, weekly, and monthly reports.
 - Developed the database migration plan
 - Designed and developed database migration scripts for migration.
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- 2007-2008** **Software Engineer IV /DBA** **Northrop Grumman**
Aurora, CO
- Provide database design, implementation, maintenance and administration support to high-priority systems utilizing Oracle, Sybase, MySQL and DB2 databases.
 - Perform monthly database software upgrades for several transcontinental systems.
 - Develops database recovery procedures for systems.
 - Provides analysis and implementation recommendations for enhancing application performance.
 - Engages in system engineering analysis to enhance integration and streamline process flow.
 - Developed a report generating tool to meet database performance matrix reporting requirements.

- Provides technical support and instruction of multiple product functionality.
- Develop software using extreme programming and agile software development methodologies and JAVA J2EE, C#, XML and PL/SQL
- Provides direct support to System Engineering, Integration and Test and Operations and Maintenance teams.
- Monitored multiple clustered Oracle databases on three continents using Oracle Grid Control.
- Implemented and maintained Oracle Streaming between databases located in three different continents.
- Ported large volumes of application and database data from legacy systems.

2004 – 2007

**Integration Lead/SW Lead
Aurora, CO**

Raytheon

- Led a small team of engineers who are responsible for the integration of mission management and command control portions of the system.
- Led a small team of engineers who develop the software infrastructure for a satellite ground station system.
- Implemented software applications and components using C++, Java, CORBA, and XML.
- Developed and managed the schedule.
- Identified functional capabilities based on system requirements.
- Coached team members on the development of our subsystems.
- Crossed team boundaries to integrate the system.
- Developed and maintains multiple system configurations
- Facilitated coordination and communication between software and deployment for capturing, packaging and deploying software tools package.

EDUCATION

**Regis University
Denver, CO**

- MS Computer Information Systems
- Emphasis: Networking and Databases
- GPA: 3.9

**Metropolitan State College of Denver
Denver, CO**

- BS Aviation Science
- Minor Computer Information Systems

Continuing Education Courses

DAU – Defense Acquisition 101

PMStudy – Project Management Professional (PMP)

Security+

Certified Information Systems Security Professional (CISSP)