Tymesha Watkins

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Software Engineer Lead/Director

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. Possess 11+ years of computer technology experience. Recognized with strong problem solving and decision-making skills and the ability to develop and implement effective action plans. Skills include:

Languages: JAVA, C#, PL/SQL, HTML5, JavaScript, and C++ | **Database:** Oracle, Sybase, PostgreSQL, MySQL, MS SQL Server, MongoDB | **Frameworks:** J2EE, CORBA, DDS, Spring | **Concepts:** OOA/OOD (UML, Design Patterns, Refactoring), Networking, Unit Module and System Level Testing | **Systems:** Windows and Linux | **SCM:** Maven, Gradle, GitLab and Azure DevOps

Professional Experience

Watkins Consulting, LLC	**Denver, CO**	**2011 - Present**

President

Developed and maintained Drone Ground Control System. Provides program management support, data analytics. Design, implement digital transition utilizing secure cloud architecture.   Performs cybersecurity services including business continuity planning and risk framework.

- Provides end to end IT support.
- Drove strategic planning, business development, and fiscal operations.

The Boeing Company	Englewood, CO	**2022 - 2024**

Software Engineer

Developed and maintained the JDIF Quality Checker tool. Assisted with the migration from AWS to Azure Cloud and the implementation of the application infrastructure. Migrated the configuration management tool from Maven to Gradle. Used ETL technologies to acquire data from on-premises databases. Created custom virtual images and developed process orchestration with expertise in JAVA, Python3, bash scripting, and PowerShell. Responsible for Total Operating Cost Estimation. Performed database creation, server configurations and backup/archival practices.

- Wrote System Recovery process for the business continuity plan and performed vulnerability mitigation of identity.
- Assisted with Fit for Use acceptance process by updating system diagrams and documentation.
- Updated and maintained system design diagram, system operation documentation, system release notes, system definition documentation, as well as created and maintained container registries and its associated repository.
- Lead software proof of concept design.
- Perform third party software evaluation for technology stack selection.
- Developed key features of the software solution.
- Research and proposed software security improvements.

Lockheed Martin RMS	Littleton, CO	**2018 - 2021**

Software Engineer

Developed software with NiFi, C++, Java, JavaScript, and HTML. Performed risk management framework tools research. Developed software design documents. Ported system models from one application to another. Built management tool and led strategic investment project. Stood up database servers and served as developer on database migration effort.

- Participated as Engineer in Classroom Lead with Top Secret security clearance (2018 TS/SCI eligible).
- Implemented risk management framework.
- Developed software and hardware inventory management tool
- Performed database migration effort

CACI	Aberdeen, MD	**2016 - 2018**

Software Engineer
Developed software with Java, JavaScript, C# and HTML. Designed, developed, documented, tested, and debugged software that contains logical and mathematical solutions to mission problems. Demonstrated experience writing or contributing to end user instructions or manuals. Performed code peer reviews. Achieved Security+ Certification. Developed with continuous integration and software CM processes / tools (GIT, JIRA, Confluence).
- Used rapid prototyping and Agile based software development methodologies and Java-based technologies to develop enterprise systems.
- Demonstrated research and development experience on the progression of ideas to production systems.

Watkins Care Givers, Inc.   Huntsville, AL   **2015 - 2016**
CEO
Drove strategic planning, business development, and fiscal operations. Established positive relationships with clientele and other franchise business leaders. Developed overarching goals and initiatives. Managed day-to-day operations of organization.
- Developed network-infrastructure, marketing scheme, and created/implemented training manuals & policies.
- Performed employee First-Aid and CPR training.

Northrop Grumman   Huntsville, AL   **2009 - 2015**
Software Engineer/DBA
Designed, developed and maintained software in JAVA and C#. Developed, implemented and maintained 2 successful error-free prototypes. Led small agile development team as scrum master. Created design documents and ER modeling. Maintained data dictionary documentation and developed software design documentation. Initiated STEM projects in elementary schools.
- Performed risk analysis on database transition, developed the database transition document, and implemented the database transition according to recommendations.
- Developed and implemented FMS product security updates according to the latest NIST guidelines.
- Served as founding member of 2 employee resource groups, including leading diversity and inclusion focus group and presenting results and recommendations to Executive board.

Additional Experience:
Northrop Grumman United Kingdom - **General Engineer IV**
Northrop Grumman Aurora, CO - **Software Engineer IV /DBA**
Raytheon Aurora, CO - **Integration Lead/SW Lead**
City and County of Denver Denver, CO - **African American Commissioner**
City and County of Denver Denver, CO– **Citizen Oversight Board Vice-Chair**
Toastmaster Inc Huntsville, AL – **Area Governor**
Claire Fertility – Advisory Board Consultant
Trucks with Room to Spare – Advisory Board Consultant

Education & Certifications

MS Cybersecurity Technologies
University of Maryland University College Adelphi, MD

MS Computer Information Systems (Focus: Networking and Databases)
Regis University Denver, CO

BS Aviation Science (Minor: Computer Information Systems)
Metropolitan State College of Denver CO

Certifications: Security+, Azure Fundamentals, Scrum Fundamentals

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Security Clearance: Top Secret: 09/15/2019 CI and Full Scope Poly: 03/2009