**John Cusey**

**Contact Information:**

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• Email: [johnjcusey@gmail.com](mailto:johnjcusey@gmail.com)  
• Availability: Permanent, Full-time  
• Desired Locations: Maryland, Virginia, Washington, D.C.

**Professional Experience:**

**Senior Technical Team Lead | GS-2210-14**

**United States Department of the Treasury, Internal Revenue Service (IRS) Lanham, MD | Hyattsville, MD | 04/2021 - Present**

* **Development**: Worked as a senior developer on a **Java JPA**, **Java JDBC**, **Oracle** backend with **SQL Developer** and **Toad**, along with a **React** frontend.
* **Middleware Development**: Engineered **Docker** and **Java Apache Camel**-based stateless middleware to facilitate secure transactions.
* **System Integration**: Performed CI/CD activities to deploy the **Java** codebase through an **OpenShift Kubernetes** pipeline.
* **API Documentation**: Curated and maintained **Javadoc’s** and **Swagger** interface documentation for detailed RESTful API descriptions.
* **Distributed Streaming:** Designed and implemented scalable microservices architecture using **Spring Boot**, integrated with **RabbitMQ/Kafka** for efficient messaging and communication between services.
* **Technical Representation**: Represented the IRS branch in elaboration sessions, Weekly Leadership meetings, and performance testing discussions.
* **Code Review & Standards**: Conducted thorough reviews of **Java** and **JavaScript** code and performed refactoring using **GitHub** to ensure adherence to IRS coding standards.
* **Code Coverage Analysis**: Leveraged **Java JaCoCo** to measure and improve test coverage, enhancing code reliability and maintainability.
* **Test Automation**: Designed and executed comprehensive test cases using **Java JUnit**, integrating them into CI/CD pipelines to optimize the testing process and deployment efficiency.
* **AI-Driven Development:** Leveraged AI tools such as **Copilot** and **ChatGPT** to accelerate coding, automate repetitive tasks, debug complex issues, and enhance code quality, resulting in improved development efficiency and streamlined workflows.

**Senior Technical Team Lead | GS-1550-13**

**United States Department of Homeland Security (DHS) Arlington, VA | 07/2019 - 04/2021**

* **Code Migration**: Migration of **MySQL** and **Ruby on Rails** projects to **Microsoft Transact-SQL** and **.NET Core 3.1** on Azure DevOps.
* **Technical Leadership:** Represented the Telecommunication Service Priority Branch in Operational Assessments, Global Threat Intellect Briefings, Test Strategy Briefs, and Cyber Assessment working groups.
* **Full-Stack Development**: Implemented a **MEAN Stack (MongoDB as the database, Express.js as the backend framework, Angular as the frontend framework, and Node.js** as the runtime environment) reporting system.
* **Data Clean**: Developed data pipelines and performed data cleaning using **Pandas**, ensuring efficient data preprocessing for analysis.
* **Analyzed datasets**: Analyzed large datasets by leveraging **NumPy** for numerical computation, achieving a 25% increase in processing speed.

**Java Team Leader | GS-2210-12**

**United States Department of Defense (DOD), Defense Finance and Accounting Services (DFAS) Bratenahl, OH | 04/2016 07/2019**

* **Code Refactoring**: Refactored **PL/SQL, Apache Java Spring, Shell scripts, COBOL, and batch script**s to comply with Security Technical Implementation Guides (STIG) requirements.
* **System Conversion**: Spearheaded the conversion of myPay from **Struts Java to Spring Java MVC**.
* **Security Enhancements**: Identified and mitigated **Java** security vulnerabilities using Hewlett-Packard Fortify.
* **Maintained**: **Python scripts** for reporting and data migration of batch processes.
* **Project Management**: Led the development of a new batch processing system integrating the Bank system and Department of the Treasury systems.
* **Data Visualization:** Created visually compelling and insightful data visualizations with **Matplotlib**, simplifying complex data stories for stakeholders.
* **Enhance Workflow:** Collaborated with cross-functional teams to integrate **NumPy, Pandas, and Matplotlib** into company workflows, enhancing decision-making processes.
* **Training Sessions:** Conducted training sessions on **Python** libraries, including **NumPy, Pandas, and Matplotlib**, fostering a culture of data literacy.

**Java Developer | GS-1550-11**

**The United States Air Force Wright-Patterson AFB, OH | 09/2015 - 04/2016**

* **System Upgrade**: Enhanced the Civil Engineering Industrial Personnel Reporting System using **Apache Java Spark**.
* **Collaboration**: Worked with IBM contractors to develop a **Python Django** frontend with a **Python** backend for global base tracking maintenance software for the military base.
* **Support Systems**: Provided remote diagnostics, predictive maintenance, compliance monitoring, and advanced risk assessment for Johnson Controls systems.

**Java Developer**

**American Home Patient Brentwood, TN | 11/2012 - 09/2015**

* **RESTful Services:** Built **Spring MVC** RESTful web services using **Java** in Eclipse (Spring Tool Suite), integrated with **Oracle** databases.
* **Debugging:** Debugged and wrote **PL/SQL** as part of implementing the **Spring JDBC** Template Framework.
* **Deployment Automation:** Deployed WAR files across heterogeneous environments using **Jenkins with Maven 2** plugins.
* **UI Improvement:** Enhanced the graphical user interface using **JavaScript, jQuery, JSON, HTML, and CSS**, resulting in reduced agent handling time.

**Java Developer**

**Sword-Ciboodle Chicago, IL | 05/2010 - 11/2012**

* **Documentation:** Authored Business Requirements, Entity Relationship Diagrams, and Software Specification Documents.
* **Front-End Development:** Programmed and debugged the **JavaScript** front end for **Java** CRM software.
* **SOAP & JDBC:** Utilized Eclipse and ANT for **Java SOAP** calls, as well as **JDBC**, in Sears warranty service and human resource case management projects.
* **Application Development:** Developed **ASP.NET** and **Razor** applications using **C#** and **ADO.NET** as the database consumer of **Microsoft SQL Server**.

**Education: Minnesota State University Moorhead Moorhead, MN, United States**

• Bachelor’s degree in computer science  
• Graduated: 12/2002  
• Credits Earned: 221 Semester Hours

**Relevant Coursework:**

• Intro Electrical Engineering, Circuit Analysis I/II with Labs, Electronics I with Lab, Applied Electromagnetic, Energy Conversion, Digital Systems I, Power Systems Design, Random Processes, Calculus, Vector Analysis and Differential Equations, Probability, Statistics, Linear Algebra, Thermodynamics and Heat Transfer, Engineering Mechanics I

**Language Skills:**

• English: Advanced (Spoken, Written, Read)