

# Joel Watlington

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Current address : Huntsville, AL

Online Portfolio : [joelwatlington.com](http://joelwatlington.com)

## QUALIFICATIONS

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### *Achievements*

- Top-secret Clearance with SCI eligibility (2021) (exp. August 2026)
- Security+ Certification (2025) (exp. January 2028)
- Nominated for a CARES award at the State of Maine (2023)
- Given kudos after presenting the first automated test case for our software branch under DSI (2025)

### *Techniques*

- Highly technical knowledge through **web development**, **DevOps**, and **automation**
- Leadership experience using **agile methodology** and **Jira** by operating user stories and Kanban boards
- Communication skills through daily scrum meetings and college debate experience with leadership expertise through collaborating user stories. Additional teaching experience by instructing an entire team how to use Eggplant for aiding automation efforts
- Documentation skills through numerous **Confluence** pages including complete coverage of Eggplant software and missile defense software on onsite servers

### *Software*

- **Angular** – reliably worked tickets under a large team with the federal government developing a full-stack application to meet expectations of multiple product owners
- **JavaScript** – Manipulated JavaScript for various data changes in the federal government and the CDC
- **Java** – Successfully crafted back-end functionality for API calls using Java while working for the federal government
- **C#** – Utilized **ASP.NET** and **ASP Classic** framework to maintain programs using C# and have a strong grasp of the language throughout working with the State of Maine
- **C++** – Under Wright Patterson Cpp files were used for version control and mathematical programming so that unit testing functioned properly
- **Python** – Built multiple scripts i.e. manipulating **JSON** and **NDJSON** files under the Elasticsearch team. Supported python scripting to aid in automating eggplant by generating log files
- **SQL Developer**, **PostgreSQL**, and **SQL Server Management Studio** – Has no problem fixing database related issues or mapping large database tables for programming new functionality
- **Postman** – Resourcefully used postman for testing and debugging website API calls throughout my experience as a web developer
- **React.js**, **Next.js**, and **Tailwind** – easily created my portfolio using powerful react customization
- **Kibana**, **EQL**, and **Lucene** – Competently developed tickets through the Elasticsearch team by organizing data and creating install packages
- **FileZilla** – Independently tested, developed, and released code using FileZilla to manage development, test, and production environments

- **Docker** – Utilized docker commands to contain programming functionality under Wright Patterson AFB to improve deployment flow. Service containers were used so that data could be stored and pulled from Jfrog to be run later
- **Eggplant** – Established test cases, scripts, and drivers under DSI through eggplant coding to allow automated flow through product lines
- **Gitlab CI/CD**, **Gitlab runners**, and **YAML** – Deployed Gitlab runners that executed jobs to create service containers, security tests, and unit tests for pushing data into Jfrog while working under Wright Patterson AFB. YAML files were used for version control and mathematical programming
- **Git** and **Bitbucket** – Organized, deployed, and collaborated with multiple different teams across many different repositories through all past work experiences
- **Linux/Bash** – Actively programmed using bash scripting in addition to strong familiarity with the Linux operating system to support team development
- **Rocky Linux Distribution** – Acutely created CRON jobs and managed file permissions under Wright Patterson AFB
- **Jenkins** – Crafted a large software feature under DSI to scan every new file that had been pushed for vulnerabilities using Coverity. Additionally supported new pipeline functionality for automation while communicating 24/7 automation to the information systems security manager

## WORK EXPERIENCE

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Davis Strategic Innovations – **Software Engineer** at Huntsville, AL (September 2024 – Current)  
under Lockheed Martin

- Over seven months of experience developing DevOps pipelines through Jenkins with the primary goal in using Coverity to ensure quality requirements
- Concurrently creating automation software by using eggplant for the purpose of removing human intervention while allowing faster, more accurate programming flow
- Assisted Scrum Master, Product Owner, and Technical Lead by creating Jira stories, providing feedback, and aiding in work management

Wright Patterson AFB – **Software Developer** at Dayton, OH (February 2024 – August 2024)

- Six months of experience professionally building and debugging Gitlab pipelines to create a more efficient project environment to house service containers with security information and testing data
- Consistently navigating Jfrog artifactory to solve dependency issues for key libraries and programming Cpp / Hpp files to allow correct mathematical flow

State of Maine – **Computer Programmer** at Augusta, ME (June 2023 – November 2023)

- Six months of experience assisting clients by maintaining web applications through removing bugs, creating features, pushing releases, and communicating expectations
- Frequently monitoring emails to aid clients regarding software installations, database fixes, or general usage in a timely, polite, and intelligent way
- Succinctly learning cybersecurity and programming techniques throughout over 40 hours of professional training
- Constructed our software team's Jira board to allow concise flow of work

Robins Air Force Base – **Software Developer** at Warner Robins, GA

(July 2021 – March 2023)

- A year of experience implementing Elasticsearch to create visuals, employ machine learning, and organize data
- Six and a half months of developing a large government full stack application that is top-secret

## **EDUCATION**

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Tennessee Technological University – Cookeville, TN

(May 2021)

- Bachelor of Science in Computer Science
- Cumulative GPA: 3.54 Graduated with Cum Laude

Motlow State Community College – Tullahoma, TN

(May 2018)

- Associates of Science in Chemistry
- GPA: 3.94