

JAMES STEVENS

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Software Engineer

Entry-level Software Engineer with hands-on experience building and testing software systems using Java and Python. Background in computer engineering principles, security-focused design, and Agile development, combined with experience working well under pressure in safety-critical environments. Demonstrated problem-solving, troubleshooting, and strong communication skills while delivering reliable, secure, and maintainable applications.

Certified Associate Software Developer (IEEE Computer Society); bilingual in English and Spanish, recognized for adaptability, precision, and collaboration under pressure

TECHNICAL SKILLS AND CERTIFICATIONS

Programming Languages: Java | Python | SQL

Frameworks & Testing: JUnit | Flask | Selenium IDE

Development Tools & Platforms: Linux (Ubuntu, CentOS) | Windows | macOS | GitHub | Docker | VMware

Databases: Oracle (SQL Developer)

Software Engineering Practices: Object-Oriented Programming (OOP) | Aspect-Oriented Programming (AOP) | Test-Driven Development (TDD) | White-Box & Black-Box Testing | Agile/Scrum

Certifications: Associate Software Developer, IEEE Computer Society

PROFESSIONAL EXPERIENCE

Software Developer - Internship

May 2024 – Present

University of Maryland Global Campus, Adelphi, MD

- Developed a modular two-player Java game exceeding 700 lines of code using AspectJ, decoupling core logic and reducing cross-cutting concerns by 60% to improve maintainability.
- Implemented 4 reusable AspectJ components for validation, turn control, rendering, and win/draw detection, reducing controller complexity by 40% and improving code traceability.
- Designed and executed 45+ JUnit test cases achieving over 90% coverage across 10 Java classes, reducing pre-release defects by 60% and improving system reliability.
- Conducted white-box and black-box testing on Java modules, validating decision paths and edge cases to identify unreachable code and redundant logic.
- Performed static code analysis using SpotBugs and NetBeans, resolving all flagged logic, performance, and resource issues to deliver a standards-compliant codebase.

Medical Support Specialist

June 2023 – June 2024

BioLife Plasma Services, Dallas, TX

- Streamlined incident reporting and first-aid tracking workflows, reducing response times by 10% by improving process reliability in high-pressure operational systems.
- Led Post Donation Information (PDI) case reviews and optimized data collection methods, reducing investigation resolution time by 20% through structured troubleshooting and documentation practices.
- Conducted over 12,000 evaluations, reducing documentation errors by 30% and improving data accuracy through consistent validation and review processes.
- Implemented pandemic response protocols with EHS teams, increasing compliance reporting accuracy by 25% and integrating risk-mitigation procedures into daily workflows.
- Improved donor experience by providing bilingual support and real-time issue resolution, increasing satisfaction scores by 40% through clear communication skills.

Software Developer - Internship

May 2022 – December 2023

University of Maryland Global Campus, Adelphi, MD

- Developed a secure, multi-page travel application using Python/Flask with 10+ custom views, reducing navigation time by 35% through structured software systems.
- Built secure registration, login, and session management across 8+ Python/Flask routes, improving onboarding success by 40% and enforcing security controls.
- Modularized a Python/Flask application using blueprints, reducing merge conflicts by 50% and improving maintainability during Agile development.
- Designed and executed 20+ Java unit tests using JUnit, achieving 95% coverage and reducing post-deployment troubleshooting by 40%.
- Designed and implemented a modular Java media rental system, reducing logic duplication by 50% through object-oriented design principles.

Registered Nurse

February 2021 – April 2022

Baylor Scott & White Emergency Hospital, Aubrey, TX

- Reduced patient wait times by 15% by optimizing triage workflows, demonstrating strong problem-solving skills in fast-paced, high-pressure environments.
- Collaborated with IT teams to optimize electronic medication systems, improving system efficiency by 10% and reducing data-entry errors.
- Standardized department protocols, contributing to a 20% increase in satisfaction scores through improved process consistency and communication.
- Delivered technical training on advanced equipment, increasing staff proficiency by 25% and reducing procedural errors during critical operations.
- Led cross-functional case reviews, resolving 10+ coordination gaps through structured analysis and collaborative troubleshooting.

Registered Nurse

April 2019 – July 2020

Travel Nurse Across America, LLC, North Little Rock, AR

- Improved triage efficiency by 12% by streamlining front-end assessment workflows across 35- and 84-bed emergency departments, reducing bottlenecks and accelerating high-acuity patient throughput.
- Reduced diagnostic errors by 10% through comprehensive assessments and real-time clinical collaboration, improving decision accuracy and patient safety in fast-paced environments.
- Decreased patient length of stay by 20% by designing data-driven care plans aligned with acuity, resource availability, and discharge readiness criteria.
- Enhanced trauma response readiness by leading mass casualty preparedness initiatives, improving multi-department coordination and accelerating emergency protocol activation.
- Maintained 100% compliance with federal, state, and hospital regulations across multiple trauma centers, supporting safe, standardized operations in high-risk settings.

EDUCATION & TRAINING

Master of Science, Information Technology – Software Engineering, University of Maryland Global Campus, Adelphi, MD: completion April 2026

Bachelor of Science, Computer Science, University of Maryland Global Campus, Adelphi, MD

Bachelor of Science, Nursing, University of Maryland School of Nursing, Baltimore, MD