Kaine Oduah

Software Engineer (Entry-Level) | kaineoduah@yahoo.com | Project Portfolio: kaineoduah.com | 469-349-4334 | U.S Citizen

SUMMARY

Entry-level Software Engineer experienced in Python, Java, and C++ with hands-on background in backend systems, REST APIs, and applied machine learning. Strong focus on scalable design, automation, and clean code.

EDUCATION & CERTIFICATIONS

Pennsylvania State University – B.S. Computer Science, May 2025
Certification: CompTIA Security+

TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript
Web: HTML, CSS, React, Node.js, REST APIs
Databases: MySQL, SQLite
Tools: Git, GitHub, OpenCV, PyTorch
Concepts: OOP, Data Structures & Algorithms, Agile, Unit Testing

PROJECTS

Deep Learning Brain Segmentation:

- Built U-Net CNN in PyTorch to automate medical image segmentation.
- Developed preprocessing pipelines and improved labeling efficiency across hundreds of images.
- Evaluated model performance and optimized training accuracy.

SUN Lab Access System:

- Designed desktop application with GUI and SQLite backend for lab check-in management.
- Replaced paper workflow, improving record retrieval and accuracy.

Maintenance Request Web Application:

- Developed full-stack application with user submissions, admin approval, and status tracking.
- Centralized communication and reduced missed maintenance requests.

EXPERIENCE

Matrix Group Logistics Inc | Technical Operations Specialist | Remote | (August 2025 - Present)

- Administer Windows endpoints, internal networking equipment, and cloud-integrated services.
- Configure VPN, firewall rules, DNS, and LAN Connectivity for secure remote operations.
- Monitor system performance and resolve bottlenecks affecting shipment workflows.
- Automate administrative tasks using PowerShell and command-line tools.

Pennsylvania State University | Digital Media Technician | Middletown, PA, USA | (Sep 2023 – May 2025)

- Built digital interfaces with HTML/CSS/JS for display and media delivery systems.
- Automated media asset management using custom scripts to improve workflow efficiency.
- Delivered technical support for digital equipment, displays, and software tools.
- Collaborated with campus teams to integrate multimedia technology into events.

Lockheed Martin | Software Engineering Intern | Fort Worth, TX, USA | (May 2024 - August 2024)

- Developed backend software tools in Python and Java to support internal engineering workflows and data processing.
- Collaborated with a cross functional Agile team to design, test, and deploy scalable application features.
- Wrote unit tests and performed debugging to improve software reliability and reduce runtime errors.
- Participated in secure code reviews and followed industry cybersecurity best practices for defense systems.

LEADERSHIP & INVOLVEMENT

African Student Association & National Society of Black Engineers (NSBE) | (August 2021 - May 2025)

Engaged in STEM leadership development, event planning, and mentorship initiatives.