RAJI OLATUBOSUN JOSHUA

Backend | Cloud Engineer (Security-Focused)

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 LinkedIn Profile | GitHub Profile | Portfolio Link

PROFESSIONAL SUMMARY

Physicist Emerging in Cloud Engineering. leveraging a strong foundation in **Physics and Applied Mathematics** to build reliable, high-scale infrastructure. specialized in automating security governance (Lambda/Boto3) and architecting secure backend systems (FastAPI/Docker). Committed to bridging the gap between complex scientific problem-solving and practical DevOps engineering.

SKILLS

Cloud & DevOps: AWS (Lambda, S3, IAM, EC2), Docker, Docker Compose, Terraform (IaC), Linux Admin, CI/CD (GitHub Actions)
Backend Dev: Python (Advanced), FastAPI, PostgreSQL, REST API Design, SQLAlchemy, Git/Version Control
Security Ops: Vulnerability Management, IAM Policies, Automated Remediation, OWASP Top 10, SIEM Tools

PROJECTS

AWS Auto-Remediation Bot   *Python, Boto3, AWS Lambda, EventBridge*

- Designed a serverless security system using AWS EventBridge and Lambda to detect insecure public S3 buckets in real-time.
- Automated immediate remediation (blocking public access) and SNS email alerting, reducing exposure time to under 2 seconds.
- Implemented Infrastructure as Code (Terraform) to deploy the entire surveillance stack reproducibly.

FastAPI Microservices Ecosystem (Todo, Notes, Weather)   *FastAPI, Docker, PostgreSQL*

- Architected a modular backend system comprising decoupled Todo and Notes services with strict Pydantic validation.
- **Weather Service Integration:** Built a dedicated service consuming the OpenWeatherMap API, implementing robust error handling and environment variable security for API keys.
- Containerized all three services using Docker Compose for seamless orchestration and deployed to AWS EC2.

IAM Security Audit Tool   *Python, Docker, AWS IAM*

- Developed a Python script to audit AWS IAM users for security gaps like missing MFA, stale access keys, and permissive policies.
- Integrated the tool into a CI/CD workflow (GitHub Actions) to run weekly compliance reports automatically.

PROFESSIONAL EXPERIENCE

Afritage Limited   Lagos, Nigeria
IT Support & Security Operations   Aug 2023 – Present

- Enforced Identity Access Management (IAM) policies by implementing Multi-Factor Authentication (MFA) across all user accounts, reducing credential theft risk.
- Hardened endpoint security by automating patch management and firewall configurations for office workstations.
- Reduced operational downtime by 20% through proactive hardware/software troubleshooting and network monitoring for 30+ employees.

EDUCATION

University of Lagos   Jan 2021 – Feb 2027
Bachelor of Science in Physics and Education   Lagos, Nigeria

- **Computer Science Coursework:** Operating Systems, Information Systems & Data Security, Introductory Computer Science, Electronics.
- **Physics Coursework:** Statistical Physics, Quantum Mechanics, Electromagnetism, Advanced Calculus.
- **Relevance:** Applying rigorous mathematical modeling (Physics) to optimize system architecture and security (CS).

CERTIFICATIONS

- **Google Cybersecurity Professional Certificate** – Google/Coursera
- **AWS Cloud Practitioner (Foundational Knowledge)** – AWS