EKEMINI E. BASSEY

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SKILLS

Cloud & Infrastructure: AWS (Solutions Architect), Terraform (IaC), Kubernetes, Docker, Wiz, Serverless (Lambda).
AppSec & DevSecOps: Semgrep, Snyk, Checkmarx, SonarQube, GitHub Actions, CI/CD Pipeline Integration, Vault.
Strategy & Risk: Threat Modelling (STRIDE), Secure SDLC, DORA Metrics, Risk Assessment, Zero Trust Architecture.
Offensive Security: OWASP ZAP, Burp Suite, Wireshark, OSCP Methodology (Adversarial Simulation).
Languages: Python, Java, C# (.NET), JavaScript (Node.js and React), TypeScript, SQL, Bash.

EXPERIENCE

Application Security Engineer| Just Eat Takeaway.com, UK   **Apr 2024 – Present**
- Standardised security coverage by engineering a Terraform automation framework for asset mapping
- Reduced backlog findings by 37% in one quarter by tuning SAST and SCA tools to decrease false positives
- Lowered aggregate risk by 45% and improved SLAs by leading targeted remediation of critical attack vectors
- Championed developer feedback, enabling security to accelerate development and improve experience

Associate Application Security Engineer| Just Eat Takeaway.com, UK   **Mar 2023 – June 2024**
- Cut manual testing time by 75% with Python scripts that integrated security tool APIs into the pipeline
- Remedied major vulnerabilities across codebases by coordinating SAST, SCA, and Secrets testing
- Piloted security tools (Snyk, Checkmarx, IriusRisk) through developer feedback and collaboration

Software Engineer | EveryFarmer, Nigeria   **Jan 2021 – Sept 2021**
- Designed a cross-platform app with React Native and Redux, using secure state management to protect data
- Resolved a critical business logic vulnerability in production, earning senior leadership recognition
- Modernised legacy code to Spring Boot and JS with strict input validation and API security

Junior Android Developer | EveryFarmer, Nigeria   **Jan 2020 – Jan 2021**
- Assisted with code reviews and bug triage, building secure SDLC and vulnerability assessment skills in Java
- Improved performance and security by refactoring legacy Android components to modern standards

Web Developer Intern |Securities & Exchange Commission, Nigeria   **Jan 2018 – June 2018**
- Boosted support efficiency by 175% by developing an internal PHP and JS issue-tracking tool
- Remediated XSS and SQLi vulnerabilities inside legacy PHP and WordPress, applying Secure SDLC principles

System Administrator |Securities & Exchange Commission, Nigeria   **Jan 2017 – June 2017**
- Enforced least-privilege access for 250+ endpoints via Active Directory administration
- Improved incident resolution SLAs by 30% by optimising triage workflows as the technical escalation point

Information Technology Technician |Nigerian Nuclear Regulatory Authority, Nigeria **Feb 2015 – Aug 2015**
- Maintained secure IT operations and workstation compliance within a regulatory environment
- Ensured network availability and data integrity by complying with strict IT governance guidelines

PROJECTS

Cloud-Native Adversarial Simulation Lab   *github.com/b4ssey/cloudlab*
- Built a vulnerable AWS and Kubernetes lab to simulate SSRF and IAM privilege escalation attacks

Technical Security Blog & Research   *medium.com/@b4ssey*
- Wrote technical breakdowns of OSCP-level exploits, including Active Directory attacks for developer audiences

Scalable DevSecOps Architecture   *github.com/b4ssey/devsecops*
- Automated security gates with a GitHub Actions pipeline integrating Snyk, SonarCloud, and OWASP ZAP

Serverless Auction Service API   *github.com/b4ssey/auction*
- Built a secure API with AWS Lambda, DynamoDB, and API Gateway using least-privilege IAM roles

EDUCATION

University of East London - MSc. in Information Security & Digital Forensics   **Sept 2022**
Covenant University - BSc. in Computer Engineering   **July 2019**