

OLANREWAJU OLUWAYINKA

Maritime Cybersecurity | OT Penetration Testing | Secure Web Development

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PROFESSIONAL PROFILE

Pivoting cybersecurity professional with a robust academic foundation in Marine Science & Technology (Marine Geoscience) and advanced training in Cybersecurity. Experienced in web development, penetration testing, and securing maritime cyber physical systems. Skilled in identifying vulnerabilities across OT networks, GNSS/AIS navigation systems, sensor-driven infrastructures, and web-based platforms, with a focus on offensive security in shipboard systems, port operations, and offshore installations.

CORE SPECIALIZATIONS

- Maritime & Offshore Penetration Testing
- Operational Technology (OT) & ICS Security
- Secure Web Application Development
- GNSS / AIS System Risk Assessment
- Cyber-Physical Systems (CPS) Security
- Sensor Data Integrity & System Trust
- Network & Application Vulnerability Assessment

EDUCATION

- Postgraduate Diploma in Cybersecurity – Lead City University | Completed

Key Coursework: Network Security & Defense, Vulnerability Assessment & Penetration Testing, Web Application Security, Ethical Hacking Methodologies, Incident Detection & Response

- Bachelor of Technology (B.Tech) – Marine Science & Technology (Marine Geoscience)

Federal University of Technology, Akure | Graduated: 2024

Key Areas: Marine Geoscience & Coastal Systems, Hydrogeology & Groundwater Mapping, Marine Instrumentation & Sensors, GIS & Spatial Data Analysis, Offshore & Environmental Operations

Final Year Project: Hydrogeology and Groundwater Mapping of the Ago Apeja Ilaje Coastal Area, Ondo State

- Conducted geospatial and hydrogeological analysis using GIS
- Produced technical maps and analytical reports for coastal assessment
- Demonstrated understanding of environmental data collection systems and infrastructure dependencies

EXPERIENCE

PROFESSIONAL EXPERIENCE

Dredging Supervisor – Blaa Jingzhou Nigeria Limited | 2023

- Supervised daily dredging and offshore operations
- Coordinated operational staff and monitored marine equipment workflows
- Ensured safety compliance in high-risk offshore environments
- Gained exposure to real-world OT environments and industrial operations
- Developed strong understanding of marine operational systems and asset dependencies

CYBERSECURITY EXPERIENCE

Penetration Testing & Offensive Security

- Conducted network reconnaissance, enumeration, and vulnerability identification
- Exposure to controlled exploitation and privilege escalation scenarios
- Web application security testing fundamentals (OWASP Top 10)
- Documented findings and prepared technical security reports

Maritime & Cyber-Physical Systems

- Risk-aware testing approaches for safety-critical systems
- System-level understanding of GNSS and AIS architectures
- Assessment of navigation system dependencies and attack surfaces
- Sensor data reliability, integrity, and availability analysis
- Awareness of maritime cyber threats and operational risks

WEB DEVELOPMENT & SECURE APPLICATION DESIGN

Web Development Skills:

- HTML5, CSS3, JavaScript, responsive design, accessibility best practices

Security-Focused Development:

- Secure authentication, form handling, input validation
- Awareness of XSS, SQL Injection, CSRF, and session management - Deployment experience with GitHub and Vercel

PROJECTS

Cybersecurity & Web Portfolio

- Designed and developed a personal portfolio showcasing cybersecurity and maritime projects
- Implemented responsive layouts and structured content for professional presentation - Deployed using GitHub and cloud-based platforms

Maritime Cybersecurity

- Studied shipboard OT networks and system architectures
- Evaluated maritime cyber risks related to navigation and sensors
- Connected marine operational realities with cybersecurity threat models

TECHNICAL SKILLS

Cybersecurity Tools: Nmap, Wireshark, Metasploit

Web Technologies: HTML5, CSS3, JavaScript, Git & GitHub

Systems & Networking: Linux & Windows, TCP/IP Networking, Basic firewall & segmentation

Data & Geospatial Tools: ArcGIS, Python (scripting & analysis), SQL (fundamentals)

Maritime & OT Systems: GNSS / AIS systems, Marine sensors, SCADA & PLC concepts

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- Postgraduate Diploma in Cybersecurity
- B-Tech in Marine Science and Technology
- Continuous self-study in: Penetration Testing, Web Application Security, OT & Maritime Cybersecurity with certificates

LANGUAGES

- English – Fluent

-Yoruba – Native

CAREER OBJECTIVE

To work as a penetration tester specializing in maritime and offshore environments, applying offensive security techniques across OT systems, navigation infrastructure, sensor networks, and web-based operational platforms while contributing to safer and more resilient marine operations.