

MICHAEL KITHINJI

Cybersecurity Professional | Full-Stack Developer | Technology Project Manager | Online Tutor

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PROFESSIONAL SUMMARY

Results-driven technology professional with 4+ years of experience in cybersecurity, full-stack development, and project management. Currently pursuing a BSc in Cyber Security and Digital Forensics. Proficient in penetration testing, vulnerability assessment, and OWASP Top 10 frameworks. Experienced in building scalable microservices, integrating APIs, and delivering client-focused solutions in remote environments. Active bug bounty researcher on HackerOne with a strong track record in security research and responsible disclosure.

PROFESSIONAL EXPERIENCE

Cybersecurity Researcher / Bug Bounty Hunter | [HackerOne \(Freelance\)](#) | 2024 - Present

- Conduct security research and vulnerability assessments on web applications and digital systems for participating organizations.
- Write detailed bug bounty reports documenting reproduction steps, impact analysis, and recommended mitigations for security teams.
- Apply OWASP Top 10 and common penetration testing methodologies to evaluate application risk exposure and attack surfaces.
- Perform web application penetration testing including SQL injection, XSS, IDOR, and authentication bypass vulnerability discovery.

Full-Stack Software Developer | [Freelance / Project-Based](#) | 2021 - Present

- Designed and developed microservices-based system architecture for a virtual reality platform, improving scalability and performance by approximately 50%.
- Integrated third-party APIs including payment gateways and AI services, ensuring seamless system functionality and improved user experience.
- Built and deployed mobile applications for iOS and Android using Flutter; published to Google Play Store.
- Developed full-stack web applications using React, Next.js, Node.js, and PostgreSQL in agile, remote team environments.
- Implemented CI/CD pipelines using GitHub Actions and deployed cloud infrastructure on AWS (Lambda, S3, EC2).

Lead Frontend Developer | [Microverse Remote Online School \(USA\)](#) | 2021-2023

- Led frontend development for team projects, developing user-facing features using React, TypeScript, and Tailwind CSS.
- Mentored junior developers and conducted code reviews in an international remote team environment.
- Assisted in development of a Next.js-based web platform, enhancing interactivity and user experience.

Mobile App Developer | [55 Blocks \(Founder\)](#) | 2022-Present

- Founded and led 55 Blocks, a software development initiative focused on mobile and web application delivery.
- Designed and developed mobile apps for iOS and Android using Flutter and Dart, from concept to Playstore deployment.

EDUCATION

BSc Cyber Security and Digital Forensics - Open University of Kenya | 2024 - Present (In Progress)

Full-Stack Software Engineering Bootcamp -Microverse International Bootcamp (Remote) | 2021 -2023

BA Mathematics and Economics -Chuka University, Tharaka Nithi | 2017 - 2021

CERTIFICATIONS & ACHIEVEMENTS

- Full-Stack Software Development Certification -Microverse
- TryHackMe Cybersecurity Training - Active practitioner (web app pentesting, Linux, OSINT)
- Cisco Networking Fundamentals - Networking & Security
- Data Analysis (SPSS & Stata) - Kesap College

TECHNICAL SKILLS

Languages: Python, Golang, JavaScript, TypeScript, Dart, C, C++, SQL, Ruby

Frontend: React, Next.js, React Native, Flutter, Tailwind CSS, Material UI

Backend & Databases: Node.js, Go Fiber, Ruby on Rails, PostgreSQL, MySQL, MongoDB

Cloud & DevOps: AWS (Lambda, S3, EC2), CI/CD (GitHub Actions), Linux, Git

Cybersecurity: Penetration Testing, Vulnerability Assessment, OWASP Top 10, Digital Forensics, Security Awareness, TryHackMe, HackerOne, Burp Suite

Data & Analytics: SPSS, STATA, Power BI, Microsoft Excel, Data Visualization, Statistical Analysis

Project Management: Agile Methodologies, Remote Team Collaboration, Cross-Cultural Communication

INTERESTS

CTF (Capture the Flag) Competitions | Competitive Programming | Teaching & Knowledge Sharing | Continuous Learning