

MURIITHI DENNIS

Backend Developer

muriithidennis340@gmail.com | +254112395869 | Nairobi, Kenya

[Linkedin](#) | [GitHub](#)

EDUCATION

Karatina University

Information Technology Bachelors Degree

Nyeri, Kenya

August 2021 - November 2025

ALX, Africa

Software Engineering Certification

Online

September, 2023 - February, 2025

Cisco Networking Academy

Ethical hacking and penetration testing Certificate

online

25 november - jan 2025

EXPERIENCE

onix-market.com | Penetration Tester

Kenya | 2023 - 2024

Conducting Security Assessments: Perform comprehensive penetration tests on various IT assets, including networks, web applications, mobile applications, and infrastructure, to identify security vulnerabilities.

Vulnerability Analysis: Analyze and interpret the results of penetration tests, security scans, and assessments to provide detailed reports outlining identified vulnerabilities and recommended remediation strategies.

Simulated Attacks: Plan and execute controlled simulated cyber-attacks to mimic real-world threats and assess the organization's ability to detect and respond to security incidents.

Security Research: Stay informed about the latest security threats, vulnerabilities, and attack techniques to continuously improve testing methodologies and stay ahead of emerging cyber threats.

key libraries | Web developer

Kenya | 2022 - 2025

Full Stack Development: Engage in end-to-end development of web applications, including both front-end and back-end components, using the MERN stack.

Database Management: Design and implement MongoDB databases, ensuring efficient data storage, retrieval, and manipulation.

Server-side Development: Develop server-side logic using Node.js and Express.js to handle API requests and integrate with databases.

Client-side Development: Create interactive and responsive user interfaces using React.js, ensuring a seamless and engaging user experience.

API Development: Design and implement RESTful APIs to facilitate communication between the front-end and back-end components.

Code Optimization: Optimize application performance by identifying and resolving bottlenecks, improving code efficiency, and implementing best practices.

Collaboration: Work closely with UI/UX designers, product managers, and other stakeholders to understand project requirements and deliver solutions that align with business goals.

Testing and Debugging: Conduct thorough testing of applications, identify and fix bugs, and ensure the reliability and stability of the software.

Version Control: Utilize version control systems, such as Git, to manage and track changes in the codebase.

BITSYSTEMS LIMITED | Software Developer

Nakuru, Kenya | may 2024 - august 2024

Contributed to the development of scalable and efficient web applications using PHP and CodeIgniter framework

Collaborated with senior developers to design, implement, and test new features and functionalities

Gained hands-on experience with CodeIgniter's MVC architecture and PHP's object-oriented programming principles

Participated in code reviews and ensured adherence to coding standards and best practices

Troubleshooted and debugged issues, improving overall application stability and performance

Developed a solid understanding of database design and interaction using MySQL

Worked on multiple projects, honing skills in problem-solving, critical thinking, and teamwork

SKILLS

Programming Languages: Javascript, Python, C, C++, HTML
Libraries/Frameworks: Django, React, Express, Nodejs, Tailwind CSS
Tools / Platforms: Arch Linux, Vscode, vim, Postman, Burpsuite, Metasploit
Databases: MongoDB, SQL

PROJECTS / OPEN-SOURCE

web frontend | Link

MERN tech stack

- With this Project My aim was to develop a full stack e commerce web application with React NodeJs MongoDB and Express

react-portfolio | Link

NextJs

Developed a personal portfolio website using NextJs to showcase my projects and skills to potential employers and clients.

CERTIFICATIONS

- Software Engineering - **ALX**