

Michael Randa

Software Developer

+254 745074245 | michaelranda95@gmail.com | www.linkedin.com/in/michael-randa | <https://github.com/MikeMitch88> | Kenya

SUMMARY

Junior Developer aspiring to enter the work of software engineering, specializing in building innovative applications, integrating IT systems, and solving complex challenges. Proficient in modern technologies such as React, Javascript, Flask, and PostgreSQL, with a strong focus on delivering user-centered solutions.

SKILLS

- Python, Flask, React JS, Javascript
- Database Management (PostgreSQL, SQLite)
- Payment Integration (MPESA API, PayPal API)
- Problem-Solving & Debugging
- Frontend & Backend Development

Projects

- Project management

Checkers Game - <https://github.com/MutaiNewton56/GRP4-Checkers>

Description:

- Developed a Python-based checkers game with complete functionality for player turns, mandatory captures, and crown piece upgrades.
- Refactored the code into modular files to enhance maintainability, debugging, and scalability.
- Designed a React-based interface for a seamless gameplay experience, featuring a move highlight system and real-time updates.

Legal Case Management System - <https://github.com/MikeMitch88/legal-management>

Description:

- Built a comprehensive case management system for managing client cases, roles, and referrals using Flask for the backend.
- Implemented JWT-based authentication and user-role access controls for secure data management.
- Developed a responsive React dashboard with features such as filtering cases, case statistics, and a toggleable dark mode.
- Integrated a PostgreSQL database for efficient and reliable data storage.

EXPERIENCE

Junior Developer | Relon Company

August 2024 - Present | Nairobi

- Reviewed the performance issues raised by over 500 users with concurrent requests and application screens. Fine-tuned and fixed the underlying objects/programs for better performance.
- Resolved user issues in creating and maintaining PA & GL periods and month-end closure period exceptions.
- Worked closely with some of the top customers to review their implementation setups, data corruptions and provided solutions specific to customer requirements.
- Worked on quarterly projects that involved major application enhancements and upgrades.
- Developed overtime calculation extension for processing overtime premium costs of employees in claim management system.

Key Accomplishments:

- Significantly reduced problem resolution time by 50% which lead to more time for project upgrades.
- Developed innovative gameplay features such as mandatory captures and crowned piece mechanics, enhancing the complexity and user experience of the Checkers Game.

Software Developer Intern | Huduma Center

January 2023 - June 2023 | Eldoret

- Developed and implemented web applications into Sitecore systems using SCRUM Agile methods.
- Analyzed different alternatives to migrate AWS RDS DB Snapshots.
- Served as a Software Lead engineer for the SBMCS Space Common Tactical Database (SCTD) Program.
- Conducted testing & validation to ensure web pages conform to government regulations and policy.

Key Accomplishments:

- Implemented JWT authentication and role-based access control, ensuring secure management of sensitive data in the Legal Case Management System.
- Optimized PostgreSQL database performance, enabling faster data retrieval and efficient handling of large datasets.

EDUCATION

The Moringa School | Software Engineering Feb. 2024 - Nov. 2024

- Certificate

Relevant Coursework: Data Structures and Algorithms
Software Design and Architecture
Web Development (Frontend and Backend)
Database Systems (SQL, NoSQL)
Object-Oriented Programming (OOP)
Agile Methodologies and Project Management

The Eldoret National Polytechnic | Diploma in Information Communication Technology Sep 2018 - Nov 2022

- Credit

Relevant Coursework: Computer Networking and Security
Information Systems Management
Programming Fundamentals
Data Communication
IT Support and System Administration

Volunteer Experience

- **President Math Club:** I was in charge of planning and coordinating with monthly math contests. This involved creating a budget,

References

Available upon request