

OCHIENG EUGENE OTIENO

SOFTWARE ENGINEER

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PROFILE SUMMARY

I am a versatile Software Engineer with a Bachelor's degree in Software Engineering and two years of experience in both software development and ICT support. I excel in transforming technical designs into secure, full-stack applications, with proficiency in front-end (ReactJS, TailwindCSS) and back-end (Node.js, ExpressJS, MongoDB, MySQL) technologies. Alongside my development expertise, I possess strong skills in providing ICT support, troubleshooting technical issues, and ensuring the smooth operation of IT systems. My experience includes working with Agile methodologies, performing thorough testing, and maintaining robust documentation to enhance organizational technology stacks. I am passionate about delivering efficient solutions that not only meet technical requirements but also support broader organizational goals.

SKILLS

- **Full-Stack Development:** Proficient in Node.js, ReactJS, and Next.js for building scalable applications.
- **Testing:** Experienced in Unit and Functional Testing.
- **Database Design:** Strong knowledge of SQL databases, MongoDB, and database fundamentals (NoSQL/SQL).
- **Programming Languages:** Proficient in Java, Python, and JavaScript.
- **Server-Side Technologies:** Skilled in Spring Boot, Node.js, and Python Django.
- **API Design:** Experienced in designing RESTful APIs and GraphQL services.
- **DevOps:** Familiarity with DevOps processes and tools like Git and GitHub.
- **Technical Support:** Experienced in providing technical support and troubleshooting for application issues
- **Technical Documentation:** Experienced in documenting technical processes and ensuring quality assurance through testing.
- **Problem-Solving:** Excellent analytical and problem-solving skills.
- **Attitude:** Positive attitude and willingness to learn new technologies.
- **Soft skills:** integrity, leadership, attention to detail, discipline, agility, and humility

PROFESSIONAL EXPERIENCE

Software Engineering Intern | National Crime Research Center | July 2022 to August 2022 | Nairobi – Kenya

Provided ICT support and gained exposure to Agile methodologies.

Collaborated with cross-functional teams in implementing digital solutions and managing tech processes.

Took part in the testing on the NCRC Android and IOS application.

Facilitated a cyber drill to educate the staff on security protocols and technical best practices.

ACHIEVEMENTS AND VOLUNTEER EXPERIENCE

- **Interactive Hostel Management System:** Developed an online booking and management system using ReactJS and Django, resulting in streamlined operations and enhanced user experience.
- **Library Management System:** Designed for the National Crime Research Center, optimizing document management using ReactJS and Express.js.
- **Hotel Reservation Booking Application:** Led a student team in developing an Android application for hotel reservations and reviews.
- **Home Finance Management Web Application:** Developed using ReactJS, Tailwind CSS, Ant Design, GraphQL, ExpressJS, MongoDB, and MySQL, focusing on API security and clean code practices.

PROJECTS

- **Home Finance Management Web Application**
Full-stack development using ReactJS, Tailwind CSS, GraphQL, ExpressJS, MongoDB, and MySQL.
Implemented secure API integrations for Home Finance Management Web Application.
- **School ERP System REST API**
Focused on robust API design and testing for School ERP System REST API.
Focused on role-based access control and scalability, with thorough endpoint testing.
- **School Hostel Management and Booking System**
Created a hostel booking and management system using ReactJS, ExpressJS, and MongoDB.
Ensured real-time data synchronization and secure transactions.

EDUCATION

Bachelor of Software Engineering | Kisii University | Kisii, Kenya September 2019 - April 2023

Honors: Second Class Honors Upper Division.

Major: Compute Science

Course work:

- Foundation of computer science.
- Software development life cycle.
- Operating systems.

- Cyber Security.
- Database and database systems.
- Data structures and Algorithm.
- Component Development (Spring Boot).
- Software documentation.
- Project and Product management.

CERTIFICATIONS

Introduction to Cyber Security | CISCO Certification

15-01-2022 – 4-04-2022

In this certification, I the various vulnerabilities organizations are exposed to such as Phishing and the steps to be taken to ensure security of data such as distributed databases and access control.

INTERESTS

Cybersecurity.

UI/UX design.

Microservices.

LANGUAGES

English.

Kiswahili.

REFEREE

MRS. ROSE WERU

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