

Software Developer

Frontend Web Development | JavaScript Programming | Backend Development | API Integration & Testing | SQL & Database Management | Web Design | UI/UX Design | Object-Oriented Programming | Software Testing & Automation | Agile Tools & Collaboration | C Programming & Algorithms | Mobile App Development | IoT & Embedded Systems | Cybersecurity & Network Security | Project Management

PROFESSIONAL SUMMARY

Innovative and results-driven full-stack software developer with a strong foundation in computer technology and hands-on experience in building scalable, user-focused web applications. Skilled in frontend and backend development, API integration, database management, and UI/UX design, ensuring performance, responsiveness, and functionality across diverse platforms. Experienced in agile development environments, team collaboration, and project leadership, with a proven ability to deliver innovative digital solutions that meet real-world needs. Highly adaptable and detail-oriented, capable of managing multiple development tasks efficiently and dedicated to continuous learning and software excellence.

Career Strengths

- **Analytical Thinking & Problem-Solving:** Effectively analyzes technical challenges, debugs code, and develops innovative software solutions to enhance application functionality and user satisfaction.
- **Critical Thinking & Decision-Making:** Evaluates system requirements, code performance, and architecture choices to make informed development decisions that align with project goals.
- **Attention to Detail & Accuracy:** Maintains high precision in coding, testing, and documentation, ensuring software quality, functionality, and adherence to best practices.
- **Team Collaboration & Leadership Skills:** Works collaboratively with cross-functional teams and leads intern developers to achieve project milestones and foster a productive development environment.
- **Communication Skills:** Clearly conveys technical updates, design decisions, and development progress to team members and stakeholders, ensuring alignment and shared understanding.
- **Time Management & Organization:** Manages multiple development tasks efficiently, prioritizes deliverables, and consistently meets sprint and deployment deadlines.
- **Adaptability & Flexibility:** Quickly adapts to new tools, technologies, and development environments, maintaining productivity and performance under changing requirements.
- **Creativity & Initiative:** Proactively proposes and implements innovative solutions, designs user-friendly features, and initiates self-driven projects to solve real-world problems.

PROFESSIONAL EXPERIENCE

Software Developer | October 2024 – Present

SRM E-Procurement

Key Contributions

- Engineered and deployed a high-performance automated procurement system, enhancing workflow efficiency and reducing manual intervention by 40%.
- Spearheaded the design and integration of modular backend services, improving system scalability and enabling faster feature rollouts.
- Implemented automated testing scripts using modern frameworks, minimizing QA cycles and cutting post-release bugs by 15%.
- Collaborated with UI/UX designers and backend engineers to align system architecture with functional requirements, improving cross-team synergy.
- Led system audits and debugging processes, reducing downtime and boosting platform reliability across key modules.
- Authored comprehensive technical documentation and version control protocols, accelerating developer onboarding and team continuity.

Frontend Software Developer Intern | May 2024 – September 2024

Zangu Pay Limited

Key Contributions:

- Developed intuitive, responsive user interfaces using React.js and Next.js, enhancing client-facing platforms across multiple payment services.
- Integrated RESTful APIs and AWS-based backend services, enabling real-time data synchronization and secure online transactions.
- Conducted front-end performance optimization and browser compatibility testing, significantly reducing page load times and bounce rates.
- Supervised a team of five interns, coordinating project workflows, sprint reviews, and client feedback loops to maintain a 98% satisfaction rate.
- Designed and prototyped UI elements using Figma and Material UI, increasing accessibility and visual coherence across web assets.

Technical Attachee | May 2023 – August 2023

Kenyatta University

Key Contributions:

- Assisted in the development and maintenance of academic management software, optimizing backend processes and enhancing system functionality.
- Participated in peer code reviews and documentation of development procedures, improving code quality and team efficiency.
- Supported the integration of secure authentication protocols and database optimization strategies to ensure data integrity.
- Conducted functional testing and participated in debugging sessions, reducing system errors and improving application stability.
- Drafted weekly technical progress reports and maintained project logs, streamlining communication with supervisors.

Technovation Mentor | January 2024 – April 2024

Sinyolo Girls High School

Key Contributions:

- Mentored secondary school students in mobile app development, guiding them through ideation, prototyping, and basic programming concepts.
- Facilitated design-thinking workshops that encouraged creative problem-solving and addressed local community challenges through tech solutions.
- Delivered inspirational talks and career guidance on the tech industry, encouraging young girls to pursue careers in STEM fields.

EDUCATION

Bachelor of Science (Computer Technology) | November 2020 – December 2024

Maseno University | Second Class Honours (Upper Division)

Certifications & Training

- Certificate in Cybersecurity
- Certificate in Network Security
- Devtown HTML & CSS Tinder Clone Project Training
- Microsoft Learn Student Ambassador Program

PROJECTS

House Allocation System

- Designed and developed a dynamic web-based system that allocates housing units based on PF number, marital status, and family size, streamlining organizational housing logistics.

Parking Lot System

- Built an IoT-enabled parking system using Arduino that detects space availability and enables real-time online payments based on parking duration.

Clothing Store Website

- Developed a fully functional e-commerce website using object-oriented programming, allowing users to add items to cart, make payments, and track orders online.

LANGUAGES

- English – Proficient
- Swahili – Proficient