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EDUCATION

Multimedia University of Kenya
Nairobi, Kenya

B.S. in Computer Science   *Expected Graduation, May 2027*

- **Concentrations:** Full stack web and android development
- **Related Coursework:** Data Structures and Algorithms, Objects and Design, Computer Organization & Programming Object-Oriented Programming.

EXPERIENCE

Electracka Africa Limited   **Nairobi, Kenya**

Software Development   *May 2023 – Aug 2024*

- Enhanced the company's electronics registration and tracking platform, enabling 10,000+ registered devices and reducing theft incident response time by **35%**.
- Built and maintained institutional dashboards for 20+ organizations, improving asset tracking accuracy to **98%**.
- Designed and deployed notification and alarm features for stolen devices, increasing successful recovery rates by **25%** within partnered institutions.
- Delivered front-end improvements (user registration, alert interface, dashboards) that reduced user support requests by **30%**.

Outlier.ai   ## United States

Coding Expert – AI Training (Remote)   Jan 2023 - Dec 2023

- Reviewed, and optimized 1,000+ code snippets and algorithms in JavaScript, Python, Java, and C++ enabling AI to correctly solve 20% more challenges.
- Annotated and debugged 500+ complex code examples to enhance AI understanding of syntax, logic, and full-stack best practices.
- Created 200+ technical explanations and problem walkthroughs, improving AI reasoning performance on coding challenges by **20%**.
- Evaluated AI-generated code, identifying and resolving hundreds of functional and performance issues, which reduced model error rates by **12%**
- Collaborated with a distributed team across 5+ time zones, consistently meeting weekly output targets with 99% quality compliance.

KEY PROJECTS

Rank Rover

Developer   *Jun 2025 – Current*

- Built a full-stack SEO Analyzer platform with Next.js, Nest.js, and Puppeteer, enabling real-time auditing of websites, back-link analysis, and keyword competitiveness checks.
- Integrated JWT-based authentication and role-based access control for secure multi-user environments.
- Added IntaSend payment integration, enabling seamless online payments and subscriptions, resulting in a 100% functional MVP in under 8 weeks.
- Optimized Puppeteer crawling speed by 40%, reducing average site audit time from 2 minutes to 72 seconds.

JVR Tours
Developer   *April 2025 – Jun 2025*
- Designed and developed a responsive travel and tour booking platform, improving booking flow efficiency by 35% compared to legacy systems.
- Implemented backend automation for booking confirmations, notifications, and payment tracking, reducing manual admin work by 50%.
- Integrated secure payment gateway and multi-currency support to cater to both local and international customers.
- Achieved a 90% mobile performance score (Google Lighthouse) through front-end optimization and lazy-loading techniques.

ACTIVITIES AND LEADERSHIP

Head of Web development   **Multimedia University**
Aug 2024 - Present
- Led web development initiatives within the campus tech community, organizing workshops and mentoring freshmen in HTML, CSS, JavaScript, React, and backend fundamentals.
- Designed structured learning paths, hands-on projects, and code reviews to accelerate peer skill growth.
- Fostered a collaborative environment by hosting weekly coding sessions and tech talks focused on real-world problem-solving and full-stack best practices.

SKILLS

Programming: Kotlin(Android), Typescript, HTML/CSS, SQL, Node.js, Nest.js, React.js(Next.js), Jetpack Compose.

Tools: Android Studio, IntelliJ, Git, Bootstrap, Spring Boot, Render, MongoDB, Docker, PostgreSQL, Ktor, Prisma.

Concepts: MVVM Architecture, RESTful APIs, Unit Testing (JUnit and Jest), Git and CI/CD Pipelines, Performance Optimization.

Specialized Areas: Android Development, Full-Stack Web Development, Quality Assurance, Database Management (RDBMS and NoSQL).

Soft Skills:
- Effective communication and collaboration in cross-functional tech teams
- Leadership and mentor-ship, guiding peers and freshmen in coding skills
- Problem-solving and critical thinking for innovative project solutions
- Adaptability to dynamic project demands and emerging technologies
- Time management and prioritization to meet tight development deadlines