

Kirenga Martial

Software Engineer

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As a seasoned Full Stack Developer with four years of experience, I specialize in Node.js, JavaScript, TypeScript, React, HTML, CSS, and Tailwind CSS. Known for my problem-solving skills and strong work ethic, I create dynamic and interactive interfaces while designing robust server-side solutions. Proficient in JavaScript frameworks, I thrive in fast-paced environments, contributing positively to cross-functional teams with my technical expertise and passion for innovation.

Experience

Andela Software Engineer Trainee

2023, March - present

- **Backend Technologies:**
 - Utilization of Express.js, next.js and nestjs for server-side development.
 - Proficient handling of both PostgreSQL and MongoDB databases.
 - Implementation of TypeScript to enhance codebase robustness and maintainability.
 - Proficiency in Docker for containerization and deployment of applications.
- **Frontend Proficiency:**
 - Proficiency in crafting mockup designs using Figma, facilitating comprehensive project visualization.
 - Diligent codebase maintenance and enhancement.
 - Expertise in building responsive user interfaces with React.js, Next.js, HTML, and CSS, fortified with TypeScript for enhanced reliability.
- **Mobile Proficiency:**
 - Proficiency in developing mobile applications using React Native, enabling seamless and efficient cross-platform development.
 - Expertise in building web and mobile applications with Angular and NativeScript, empowering the development of dynamic and responsive user interfaces for both web and native mobile platforms.

Professional Skills:

- **Communication and Collaboration:**
 - Effective communication, fostering seamless collaboration and ensuring alignment across stakeholders.
 - Facilitation of team collaboration, promoting synergy and collective achievement.
- **Problem-Solving and Adaptability:**
 - Aptitude for problem-solving, adeptly resolving complexities and overcoming obstacles.
 - Demonstrated adaptability, readily embracing evolving project requirements and technological landscapes.

Tool Proficiency:

In executing my responsibilities, I employ a suite of sophisticated tools, including but not limited to Sequelize, MongoDB, PostgreSQL, Node.js, React.js, Express.js, and Figma Design Tool. This comprehensive toolkit empowers me to deliver solutions characterized by efficiency, innovation, and excellence.

Carnegie Mellon University Africa Internship

2024, Feb - Apr 2024

- During my CMU internship, I immersed myself in IoT.

- Developed a real-time monitoring system alerting users to air quality issues.
- Participated in all stages, deepening technical and problem-solving skills.
- This experience highlighted the power of technology in addressing societal challenges and reinforced the importance of teamwork and innovation.
- Honed teamwork skills.
- Contributed to an air pollution monitoring project.

Education

High School

Feb 2017 – Nov 2019

- **Petit Seminaire Saint Vincent:**
 - Mathematics - Physics - Chemistry

University

- **University of Rwanda :**

Sept 2021 - expected graduation Dec 2024

- B.S.E Bachelor of Software Engineering
- Relevant Coursework: designing and developing computer programs and systems, building interactive websites, and System monitoring
- Languages: JavaScript, Java, HTML, CSS

Skills

- | | | |
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| <ul style="list-style-type: none">• Backend Technologies :<ul style="list-style-type: none">◦ Express.js◦ Nest.js◦ MongoDB◦ PostgreSQL◦ SQL◦ MySQL◦ Sequelize ORM◦ Python flask• Testing :<ul style="list-style-type: none">◦ Jest◦ Mocha chai• Mobile Technologies :<ul style="list-style-type: none">◦ React Native | <ul style="list-style-type: none">• Frontend Technologies :<ul style="list-style-type: none">◦ HTML◦ CSS◦ JavaScript◦ React.js◦ Next.js◦ Typescript• Tools and Methodologies :<ul style="list-style-type: none">◦ Git◦ Agile Methodologies | <ul style="list-style-type: none">• DevOps and CI/CD :<ul style="list-style-type: none">◦ Docker◦ CI/CD using CircleCI and GitHub Actions• Soft Skills :<ul style="list-style-type: none">◦ Problem solving◦ Creativity◦ Time Management◦ Eye for Detail◦ Communication Skill |
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Languages

- English - Expert
- Kinyarwanda - Native
- French - Intermediate