Michael Johnson Owallah

Full-Stack Developer | Frontend Specialist | Agile Enthusiast

Location: Kenya

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Profile

Full-Stack developer with expertise in both front-end (React.js) and backend (Ruby-on-Rails) technologies, skilled in designing and deploying scalable, high-performance applications. Knowledge in cloud-based solutions (AWS), containerization (Docker, Kubernetes), and CI/CD pipelines. Passionate about creating efficient digital solutions with a focus on system architecture, microservices, and API security (OAuth2, JWT). Adaptable and committed to delivering exceptional user experiences and meeting both customer and business needs.

Technical Skills

- **Languages**: JavaScript (ES6+), Ruby-on-Rails.
- **Frontend**: HTML5, React.js, React Native, Next.js, Responsive Web Development, CSS3.
- **Backend**: Ruby on Rails, Spring Boot, REST APIs.
- **Cloud and Development**: AWS Services (e.g., Lambda, S3), Serverless Development, CI/CD Tools (Github Actions), Containerization (Docker, Kubernetes).
- **Testing**: React Testing Library, Jest.
- **Infrastructure-as-Code**: Terraform.
- **Monitoring**: Dynatrace, Google Analytics
- **Version Control**: Git, GitHub.
- **Tools and Methodologies**: Agile Development, Unit Testing, Prototyping, User-Centered Design, Code Review.

Experience

Elkin Trading, Mombasa — *IT Manager*

August 2023 - present

- Leading the development of internal systems and managing the company's IT infrastructure.
- Designed and developed the company's website using React.js, resulting in a 25% improvement and thus enhanced user accessibility and user experience.
- Ensuring all software components are secure, efficient, and tested according to best practices including AWS serveless functions and CI/CD pipelines.
- Implemented data storage optimization and API security measures (OAuth2, JWT), supporting seamless system scalability and security.

Obotech Solutions Ltd, Nairobi — *Software Engineering Intern*

September 2022 - January 2023

Analyze client's needs, then design, test, and develop computer software in order to meet their needs.

- Developed, tested, and maintained software applications tailored to client needs using modern web technologies.
- Worked on enhancing existing programs, optimizing performance, and ensuring operational efficiency.
- Collaborated in cross-functional teams including developers, QA engineers, and UX designers to deliver high-quality solutions, employing a user-centered design approach.
- Reviewed and tested code, contributing to a 15% increase in project efficiency through early bug detection and code optimization.

Section Engineering, Remote— *Technical Content Writer*

September 2021 - January 2022

- Authored articles on Android mobile app development and emerging technologies, contributing to industry knowledge sharing.
- Demonstrated the ability to communicate complex technical topics clearly, enhancing readership by 15%.
- These are listed in the profile shared here.

Projects

ElkinGroup— *Link*

- Developed a responsive official website for Elkin Group using React.js, enhancing the company's digital presence and increasing visitor engagement by 25%.

Art Vista— *Link*

- Built a platform for artists to showcase their work using React.js and Ruby with Sinatra, fostering a community for art enthusiasts.

BeatRoute— *Link*

- Scrum Master for a collaborative project to create a playlist curation website using React.js, focusing on user interaction and smooth data retrieval.

ArStudy— *Link*

- Developed an AR-based Android application that gamifies classroom learning, merging educational technology with innovative mobile solutions.

Education

Moringa School, Nairobi — *Software Engineering*

February 2023 - August 2023

- Completed a comprehensive course focused on full-stack development, mastering web and mobile technologies, project management, and agile methodologies.

Kibabii University, Bungoma — BSc. Computer Science

September 2018 - March 2023

- Specialized in Software Engineering, with a strong focus on algorithms, system performance, and the development of scalable applications.

Certifications

- **Certified Full-Stack Developer,** Moringa School.

Key Strengths

- **Agile Development:** Proven ability to work effectively in agile environments, adapting to rapidly changing requirements and priorities.
- **Scalable Solutions:** Expertise in designing and implementing scalable applications using modern JavaScript frameworks.
- **Quality Code and Collaboration:** Committed to writing clean, secure, and efficient code while supporting team members through code reviews and continuous improvement.

Language

- Proficient in English.

Referees

Available upon request.