

John Makola

Software Engineer

Address P.O.BOX 21680-00100 Nairobi Kenya
Phone +254 721 447 666
E-Mail johnmakola@gmail.com
Github: <https://github.com/john-makola/>
LinkedIn: <https://www.linkedin.com/in/john-makola-23894932/>

A Software Engineer with 5 years of experience, I have developed expertise in designing and implementing scalable and efficient software applications. My technical skills include proficiency in programming languages such as Java, Python, and JavaScript, and extensive experience in frontend development using HTML, CSS, and JavaScript frameworks such as React.js, Next.js and Vue. I also possess strong backend development skills, including database design and management using SQL and NoSQL databases, and experience with server-side scripting languages such as Ruby on Rails and Node.js. In addition, I have experience with DevOps principles, such as CI/CD pipelines and infrastructure as code, and familiarity with cloud computing platforms such as AWS and Azure. I am an analytical problem solver with excellent communication and collaboration skills, and I continuously seek to update my knowledge and skills to stay up-to-date with the latest advancements in the industry.

Skills

Agile Application Development	Advanced
Creative UX and UI Designs	Advanced
Code Designs & Reviews	Advanced
CI/CD Continuous Improvement techniques	Advanced
Backend Development, APIs	Advanced
Database Modelling and Management	Advanced
Project Management	Advanced
Testing and Maintenance	Advanced
Software Deployment	Advanced
Software Documentation	Advanced
Search Engine Optimization	Advanced

Work History

2019-01 - Current

Software Engineer

Aspire Graphics Ltd, Nairobi , Kenya

- Designing and implementation of frontend features using CSS, HTML, React.js and Next.js Frameworks
- Reviewing projects specifications and design of software solutions that meet and exceeded performance expectations
- Evaluating and improving software and hardware interfaces
- Developing Robust, scalable , modular and API-centric infrastructures Using REST APIs, GraphQL

- Design and implementation of Backend features using Node's and Java
- Updating / Refactoring old code based on modern development standards, improving functionality
- Testing methodology with writing and execution of test plans, debugging and testing scripts and tools
- Informing internal and external stakeholders of project milestones
- Providing guidance and mentoring less-experienced staff members
- Providing directions and guidance to process improvements and established policies

2011-01 - 2018-12

DevOps Engineer

Aspire Graphics Ltd, Nairobi , Kenya

- Worked with software development and testing team members to design and develop robust solutions to meet client requirements for functionality, scalability and performance
- Worked with cross-functional design teams to create software solutions that improved overall functionality and performance.
- Monitored automated build and continuous software integration process to drive build/release failure resolution.
- Automated and implemented system backup and recovery procedures.
- Built automation tools and applications to deploy next-generation platforms.
- Wrote code and supported architecture in high-throughput systems
- Collaborated with team to analyze system solutions based on client requirements.
- Collaborated closely with product development teams and other stakeholders
- Researched and identified new technologies to use in agile development environment.
- Implemented best practices to protect data and assets.
- Tuned systems to boost performance.
- Documented project designs for reference and future use cases.

Education

2019-01 – 2022-12

Bachelor of Science in Information Technology

Jomo Kenyatta University of Agriculture and Technology - Kenya

2019-01 – 2022-12

Diploma in Information Technology

Jomo Kenyatta University of Agriculture and Technology - Kenya

Awarded [Distinction]

Accomplishments

As **Software Engineer** I have collaborated with other teams and stakeholders to deliver these projects:

- Design and Implementation of a Web based Staff Performance and Appraisal Management Information System for the County Government of Isiolo - Kenya.
- Design and development of a G-LOAN – a Fintech Company App Solutions: Web App, Mobile App and the Backend Management Solution.
- Involved in Training and Mentoring peers and junior developers which resulted in improved code quality and productivity among members

As **DevOps Engineer** I collaborated with developers, QA , other teams to implement the Following successful projects

- Design and Implementation of Cloud Infrastructure on Azure for The Ministry of Finance Puntland Somalia: - Resources Included Active Directory , VMs, SQL ,SASS, Security O365 Integration
- Design and Implementation of On premise Data Centre for Magereza Sacco: Resources Includes : VMware Hypervisor, VM for Windows & Linux Server, SQL Servers, Centralized Antivirus Endpoints, Active Directory, Banking Sacco Payment Integration, Microsoft Dynamics Integration

Software Skill-set Summary

React.Js	Advanced	NodeJs	Advanced
Next.Js	Advanced	EXPRESS.JS	Advanced
VUE	Advanced	Java	Advanced
Java Script	Advanced	Python	Advanced
HTML	Advanced	Ruby On Rails	Advanced
CSS	Advanced	MySQL, MS -SQL	Advanced
BOOTSTRAP, MATERIAL UI,	Advanced	POSTGRESQL	Advanced
TAILWIND		MONGO-DB	Advanced
GRAPH-QL	Advanced		

Languages

English	Advanced
Swahili	Advanced
Kamba	Advanced