**Profile**

A full stack developer

**Work**

# Software Engineer

**Rensoft Solutions**

**Key Duties and responsibility**

* Develop and maintain enterprise-level web applications using Spring Boot framework.
* Implement front-end features and functionality using NextJS(a React framework)
* Design and implement Restful Apis for various modules in Rensoft insurance brokerage management system,ensuring scalability, security, and performance.
* Write unit tests and perform code reviews to ensure code quality and maintainability.
* Utilize Spring Security to implement authentication and authorization mechanisms, ensuring secure access to application resources.
* Utilize Docker for orchestrating multi-container deployments and managing dependencies.
* Troubleshoot and resolve software defects and production issues, providing timely bug fixes and improvements.
* Database design and development.
* Integrate third-party services and APIs, such as payment gateways and social media platforms, to enhance application functionality.
* Deploy applications on Google Cloud ensuring scalability and high availability.
* Use agile engineering practices and various software development

technologies to rapidly develop creative and efficient solutions that enhance client organization’s technology stack.

**Technologies included**

* **Java/Spring boot**
* **Docker,**Jenkins,Git
* REST for intergrations
* MSSQL,MySQL,PostgreSQL databases
* Typescript/NextJs
* Shell Scripting/Python for automation
* Google Cloud/NginX Web SERVERS

**Achievements**

* DevOps and CI/CD
* Successfully integrated third-party payment gateways, Daraja Api, enabling seamless and secure online transactions for customers.
* Improved User experience and design resulting in high traffic in Rensoft’s Insuarance web portal
* Identified and dealt with a significant process bottleneck that boosted coding efficiency by 35% when resolved.
* Received recognition for consistently delivering high-quality code with minimal defects, leading to improved customer satisfaction and positive feedback.

# IT support

**Stima Sacco**

Provided IT support for one of Rensoft Solutions client,Stima Sacco

**Key Duties and Responsibilities**

* Installed all required dependencies and software components on Stima Sacco server’s for the successful operation of RenSoft systems, ensuring a smooth implementation process.
* Deployed Rensoft Solution’s systems on Stima Sacco servers.
* Configured Nginx as a reverse proxy to efficiently route incoming requests and improve system performance.
* Successfully deployed Stima Sacco’s Mpawa Insurance Portal(a premium system owned by Rensoft) on their Server, making it accessible through the URL https://mpawaapp.stima-sacco.com/.
* Automated various processes and workflows in the server’s, resulting in improved efficiency and reduced manual effort by 40%.
* Assisted in system upgrades and migration processes, ensuring seamless transitions and minimal disruption to business operations.
* Collaborated with the Stima Sacco IT team to troubleshoot and resolve technical issues, ensuring minimal downtime and optimal system performance.
* Documented system configurations, troubleshooting procedures, and best practices, creating a comprehensive knowledge base for future reference.
* Conducted thorough system testing and quality assurance to ensure compatibility and proper functioning of Rensoft systems hosted on Stima Sacco Servers.
* Provided user training and support to Stima Sacco employees, enabling them to effectively utilize Rensoft system’s and troubleshoot common issues.
* Maintained and configured the company testing server firewall, ensuring network security and protection against potential threats.

**Technologies used:**

* Docker
* MSSQL/MySQL databases
* Shell Scripting/Python for automation
* SSH/Remote desktop
* NginX web server
* Linux/RHEL Windows Server
* SystemD/Pm2 for process management

**Achievements:**

* Deployed Stima Sacco’s Mpawa Insurance Portal which will be used by thousands of their clients.
* Maintained maximum uninterrupted flow of business-critical ops. Cut downtime by 25% and costs of warranty by up to 45%.
* Received commendation from the Stima Sacco empoloyee for exceptional IT support, professionalism, and the ability to deliver effective solutions in a timely manner.