

COLLINS KIPNGENO

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788 Kericho

SOFTWARE ENGINEER

Results-driven Software Engineer with expertise in Java, Angular, React, SQL, and C# development. Demonstrated history in the software development and services industry, with proficiency in both back-end and front-end development. Specialized in biometrics and integrations, with a BSC in Analytical chemistry with computing . Adept at algorithmic problem-solving and designing effective solutions. Proven ability to collaborate within teams, value diverse contributions, and drive projects to completion. A self-starter with strong initiative in planning, scheduling, and meeting deadlines. Skilled communicator, capable of conveying ideas clearly across various teams and locations, both in person and in writing.

TECHNICAL-SKILLS

Back-End Stack:

Node.js (JavaScript), MERN|
API Development (RESTful & SOAP)|
Python (Django & Flask) |
Java (Spring Boot, Spring Security &
Microservices)

Front-End Stack:

React.js, Next.js, Angular.js,
Android|
HTML & CSS, Tailwind CSS,
Bootstrap.
Thymeleaf

Databases an cloud

SQL (MySQL, PostgreSQL, SQLite3,
Oracle Database)
• NoSQL (MongoDB, Apache
Cassandra.)
AWS (ELB,RDS,S3, EC2,EKS,Cloud
watch.)

Tools used

IntelliJ Idea, Android Studio, Unity, Git, GitHub, Gitlab, GitHub Copilot, Jenkins, Docker, Kubernetes, Elasticsearch(ELK) ,Prometheus & Grafana, Dynatrace, Splunk

PROFESSIONAL EXPERIENCE

Solar Panda Full stack engineer

August 2023 - to date

At Solar Panda, I have contributed to projects focused on connecting individuals with solar panel financing solutions. My role involves developing and optimizing software to streamline loan applications and enhance user experience.

Accomplishments:

- Developed and maintained software applications to support the loan application and approval process for solar panel installations.
- Integrated third-party APIs (DARAJA Api) and services to facilitate seamless communication between solar panel providers, financial institutions, and end-users. We implemented STK pushups that would enable user make payments when due date reaches
- Designed and managed databases to store and retrieve customer information, loan details, and solar panel configurations.
- Created and optimized user interfaces for web applications, improving the overall customer experience and simplifying loan application workflows.
- Built and maintained server-side logic and RESTful APIs using spring boot and java technologies to support application functionality and ensure data consistency.
- Implemented automated processes for loan application verification and approval, reducing manual workload and increasing efficiency.
- Analyzed and optimized application performance to ensure scalability and responsiveness under varying loads.

- Provided technical support and resolved issues related to software performance, user access, and system integration.

Economic Industries
Software and Data Engineer

February 2020 - July 2023

Technologies: PostgreSQL, SQL, MongoDB, Apache Spark, Apache Kafka, Apache Airflow, AWS Glue, Amazon Redshift, Docker, Kubernetes, Java and Python 3

Accomplishments:

- Designing scalable and reliable data pipelines to collect, process, and transform data from various sources in Dataiku platform so as to help in the manufacturing of the industrial products
- Creating ETL processes to move, clean, and enrich data while ensuring optimal performance.
- Designed and implemented a dynamic website for product sales and management, using Java for server-side functionality and integrating with Angular as the frontend technology .
- Developed and maintained an Android app to support mobile access to product catalogs, inventory management, and order processing.
- Integrated secure payment gateways and shopping cart functionalities to facilitate online transactions and enhance the user shopping experience.
- Created and managed databases for storing product information, customer orders, and inventory levels, ensuring data integrity and reliability.
- Optimized website and mobile application performance for speed and scalability, improving user experience and handling high traffic volumes.
- Applied security best practices to safeguard user data and transactions, including encryption and secure authentication mechanisms.
- Worked closely with product managers, designers, and other developers to align development efforts with business objectives and user needs.

James Finlay's
'Junior software /Developer

January 2019 - January 2020

Technologies: HTML&CSS, Tailwind CSS & Bootstrap, React.js, Node.js, JavaScript, MySQL, PostgreSQL, Python

Accomplishments:

- Developed and maintained user interfaces using HTML, CSS, and Next.js, ensuring a responsive and engaging user experience.
- Created reusable and modular components to enhance consistency and efficiency across web applications.
- Translated design mockups and wireframes into functional, interactive web pages, adhering to design specifications and best practices.
- Implemented performance optimizations for faster page load times and improved overall site performance.
- Utilized version control systems mostly Git to manage code changes, collaborate with team members, and track project progress.
- Implemented CI/CD during developments and enhanced monitoring in our systems
- Participated in code reviews, providing and receiving feedback to improve code quality and maintainability.
- Stayed updated with the latest front-end technologies and best practices to continually improve skills and contribute effectively to projects.

EDUCATION

Moringa School

Certificate in software engineering

University of Eldoret

Bachelor of Science in IT
