

DORCAS CHERONO

Software Engineer

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Nairobi, Kenya



SUMMARY

Experienced Full Stack Developer with a strong foundation in building secure, scalable, and user-centric applications across health-tech, banking, and insurance sectors. Proficient in developing cross-platform mobile and web applications, integrating RESTful APIs, and designing AI-driven user interfaces. Skilled in building real-time analytics dashboards, document processing UIs, and chat interfaces for dynamic platforms. Demonstrated expertise in cloud-native architectures using AWS, containerized deployments with Docker and Kubernetes, and implementing CI/CD pipelines for reliable delivery. Adept at collaborating with cross-functional teams to translate complex requirements into intuitive, performant software solutions. Passionate about leveraging responsible AI, no-code/low-code ML tools, and responsive UI/UX design to drive innovation in data-intensive ecosystem

EDUCATION

Kisii University

Bachelor's Degree in Software Engineering
2015 – 2019

Moringa School

Certificate in Software Development 2020 – 2021
Certificate in Devops Engineering
2024 – 2024

SKILLS

- Frontend: React.js, Angular, Vue.js, React Native, HTML5, CSS3, Tailwind CSS, Material-UI, SCSS, Figma
- Backend: Java (Spring Boot), C# (.NET), Python (Django, FastAPI), Node.js (Nest.js, Express), RESTful APIs, GraphQL, WebSockets, SSE
- Cloud Platforms: AWS (EC2, S3, EBS, IAM, SageMaker – familiar), Azure, basic GCP
- Automation & Scripting: Python, Shell Scripting, Power Automate, dynamic templating for document workflows
- CI/CD: Azure DevOps, GitLab CI/CD, Jenkins
- Containerization & Orchestration: Docker, Kubernetes
- Databases: PostgreSQL, SQL Server, Oracle, MySQL
- Testing & Monitoring: JUnit, Mockito, Postman, Jest, Datadog, Swagger
- Messaging & Event-Driven Architecture: Kafka
- Authentication & Security: OAuth2, Keycloak, API security practices
- Operating Systems: Linux (Ubuntu, CentOS), Windows
- AI/ML Tools: Familiar with no-code/low-code ML platforms (e.g., SageMaker Canvas)

CERTIFICATIONS

- Scaled Agile Practitioner
- AWS Cloud Practitioner
- Kubernetes and Cloud Native Essentials

REFEREES

1. Abraham Maiyo

Business Analyst
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2. Edwin Rono

Software Engineer
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3. Vincent Omondi

Lecturer
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PROFESSIONAL EXPERIENCE

Software Engineer

Axxis Systems | 2023 – Present

- Spearheaded the development and customization of enterprise web applications for financial institutions including Equity Bank, Prime Bank Rwanda, and Arabia Insurance, advancing their digital transformation efforts.
- Designed, tested, and deployed secure, scalable applications across both frontend and backend using JavaScript, low-code platforms, and RESTful APIs to address dynamic business needs.
- Automated document processing workflows and dynamic template generation for client-facing documents such as insurance quotations and policy documents using low-code tools and JavaScript-based templating.
- Integrated third-party vendor software with banking systems, ensuring seamless interoperability, data synchronization, and process efficiency.
- Diagnosed and resolved complex performance and security issues, implementing preventative measures and monitoring systems to enhance uptime and user trust.
- Authored detailed technical documentation, user manuals, and integration diagrams in line with software development and compliance standards.
- Collaborated cross-functionally with infrastructure, DevOps, and operations teams to deliver compliant, cloud-integrated solutions aligned with strategic objectives.

Software Engineer

Sendy Limited | 2021 – 2023

- Developed and maintained RESTful APIs supporting fulfillment sellers and buyers, enabling seamless real-time interactions and integrations with frontend applications.
- Built event-driven microservices using Node.js and Kafka to support scalable, modular architecture for logistics and e-commerce platforms.
- Implemented authentication and authorization with Keycloak to secure distributed systems and ensure robust user identity management.
- Engineered real-time analytics endpoints and dashboards to provide instant visibility into order status, delivery metrics, and customer service SLAs.
- Ensured high availability and responsiveness through efficient API design, PostgreSQL optimization, and asynchronous request handling.
- Authored unit and integration tests using Jest and Postman, improving test coverage and reducing production incidents by over 25%.
- Used Datadog for proactive system monitoring and performance tuning, maintaining 99.9% system uptime.
- Collaborated closely with frontend engineers to deliver intuitive, AI-ready interfaces, ensuring alignment with UX expectations and seamless data flows across systems

Software Engineer Intern

Systems Reengineered Limited | 2019– 2020

- Engineered and deployed web portals using ASP.NET for scalable and adaptable application development.
- Maintained database integrity by performing SQL Server backups and recovery to ensure data availability.
- Integrated ERP systems with third-party solutions using Dynamics Navision to enhance system functionality.
- Delivered customized solutions on Microsoft Power Apps and Power Automate to streamline workflows and improve productivity.
- Analyzed system requirements to identify and address design gaps, ensuring seamless CRM and SharePoint customizations.
- Conducted client meetings, interviews, and workshops to gather system requirements and define integration goals.