

<div><div>Emmanuel Langat</div><div>FULL STACK SOFTWARE ENGINEER</div><div><div><div><div><div></div></div><div>Nairobi, Kenya</div></div><div><div><div><div></div></div><div>(+254) 0740415950</div></div><div><div><div><div></div></div><div>emmanuel@kipchirchirlangat.com</div></div><div><div><div><div></div></div><div>https://kipchirchirlangat.com</div></div><div><div><div><div></div></div><div>Github</div></div><div><div><div><div></div></div><div>Linkedin</div></div></div></div></div></div></div></div></div></div>					
Summary	<div><div><div><div><div></div></div><div>Experience in analysis, design, development, and implementation of various applications and client-server architectures using Java, Spring, Python/Django, JavaScript/React, Node.js, and TypeScript – spanning the entire Software Development Life Cycle.</div></div><div><div><div><div></div></div><div>Proficient with Docker for containerization and Kubernetes for container orchestration.</div></div><div><div><div><div></div></div><div>Experience working within an Agile/Scrum workflow.</div></div><div><div><div><div></div></div><div>Strong documentation skills, ability to meet deadlines, and ability to effectively collaborate within a cross-functional environment.</div></div><div><div><div><div></div></div><div>Skilled in building scalable, low-latency backend and full-stack software systems.</div></div><div><div><div><div></div></div><div>Experienced in DevSecOps using tools such as Kubernetes, Terraform, Prometheus, and Jenkins.</div></div></div></div></div></div></div></div></div>				
Experience	<div><div><div><div><div><div>Etinx (Ndovu)</div><div>Senior software engineer</div><div><div><div></div></div>https://ndovu.co</div></div><div><div><div><div></div></div><div>Leading integrations into various bank APIs to enable payment processing, resulting in a 15% increase in deposits and withdrawals.</div></div><div><div><div><div></div></div><div>Architected and implemented the dividend and interest payment feature, automating the entire process and achieving 99.95% accuracy in payout calculations while reducing processing time for the operations team by 99%.</div></div><div><div><div><div></div></div><div>Architected and implemented the recurring investments feature, enabling seamless and automated investments into the Ndovu Money Market Fund (MMF) and other ETFs.</div></div><div><div><div><div></div></div><div>Refactored the backend architecture to support country-specific investment funds, enabling expansion into new markets in Rwanda and Uganda.</div></div><div><div><div><div></div></div><div>Implemented MPESA automated reconciliations, resulting in a 90% increase in reconciliation time speed and efficiency, thereby saving the operations team close to 4 hours daily.</div></div><div><div><div><div></div></div><div>Implemented the live pricing feature and associated cron jobs. resulting in greater transparency for end users.</div></div><div><div><div><div></div></div><div>Led the development of a USSD application using NestJS, improving platform accessibility for users with low-end mobile devices.</div></div><div><div><div><div></div></div><div>Refactored the admin portal (frontend using ReactJS), leading to a better user experience.</div></div><div><div><div><div></div></div><div>Worked on the wallets feature for the project, resulting in a seamless withdrawal and deposit process.</div></div><div><div><div><div></div></div><div>When applicable, manage and supervise a team of junior developers.</div></div><div><div><div><div></div></div><div>Led the deployment of Camunda instances to an AWS ECS cluster.</div></div><div><div><div><div></div></div><div>Performing periodic DevSecOps tasks using AWS services – EC2, ECS, RDS, ECR, Lambda, and RDS.</div></div></div></div></div><div><div><div><div><div><div>Kodally</div><div>Senior Backend Engineer</div><div><div><div></div></div>https://www.healthflow.io/</div></div><div><div><div><div></div></div><div>Led a team of 2 developers in decomposing a Django monolith into various microservices with minimal downtime. Stack used: Python (Django) and TypeScript (NestJS).</div></div><div><div><div><div></div></div><div>Led the design and development of an employee bonus management system used by over 3,000 employees with minimal downtime and deployment.</div></div><div><div><div><div></div></div><div>Led the design and development of a leave management system used by over 6,000 employees of the company threby reducing hr's leave management workload by 70% and improving employee leave reporting anf taking accuracy by 90%.</div></div><div><div><div><div></div></div><div>In charge of DevOps tasks in the company and authored the Kodally DevOps Handbook – a set of DevOps and code best practices to be replicated by every team member. This has resulted in seamless code migration and faster new-hire onboarding.</div></div><div><div><div><div></div></div><div>Led the development of a notifications service and streamlined it to meet business requirements.</div></div><div><div><div><div></div></div><div>Led the development of a cron job using Django and Celery.</div></div><div><div><div><div></div></div><div>Responsible for maintaining and developing all parts of the existing system.</div></div><div><div><div><div></div></div><div>Responsible for planning and implementing model data structures for scalability.</div></div><div><div><div><div></div></div><div>Responsible for designing, building, documenting, and testing APIs using Swagger and Postman.</div></div><div><div><div><div></div></div><div>Working on the maintenance and improvement of existing code.</div></div><div><div><div><div></div></div><div>Responsible for researching, evaluating, and analysing technical and design requirements.</div></div><div><div><div><div></div></div><div>Responsible for troubleshooting and fixing bugs/flaws to ensure servers run optimally.</div></div><div><div><div><div></div></div><div>Leading the team in leveraging third-party APIs to build integrations with other systems.</div></div></div></div></div><div><div><div><div><div><div>Etinx (Healthflow)</div><div>Full stack software engineer</div><div><div><div></div></div>https://www.healthflow.io/</div></div><div><div><div><div></div></div><div>Performed requirement analysis, design and test management of the system.</div></div><div><div><div><div></div></div><div>Performed DevOps tasks and successfully hosted the applications in AWS.</div></div><div><div><div><div></div></div><div>Led the backend development team in developing three client applications using Node, Typescript, Python and /or</div></div><div><div><div><div></div></div><div>PostgreSQL / Mongo based on the technical requirements.</div></div><div><div><div><div></div></div><div>Provided regular support to the Front-end team on issues that required clarification.</div></div><div><div><div><div></div></div><div>Responsible for integration of third-party APIs and services into the systems under development.</div></div><div><div><div><div></div></div><div>Held bi-weekly showcases with the business team (client) for feedback.</div></div></div></div></div><div><div><div><div><div><div>Etinx</div><div>Junior software engineer</div><div><div><div></div></div>https://www.healthflow.io/</div></div><div><div><div><div></div></div><div>Performed requirement analysis, design and test management of the system.</div></div><div><div><div><div></div></div><div>Performed DevOps tasks and successfully hosted the application in AWS Elastic Beanstalk for the Backend, AWS</div></div><div><div><div><div></div></div><div>RDS as a DB provider and AWS Amplify for the Frontend</div></div><div><div><div><div></div></div><div>Led the development of the backend of a ussd application using Node-Express for the Backend and PostgreSQL as</div></div><div><div><div><div></div></div><div>the database</div></div><div><div><div><div></div></div><div>Developed the admin portal of the application using React and Redux for state management.</div></div><div><div><div><div></div></div><div>Led the integration of Africa's talking USSD and sms services.</div></div><div><div><div><div></div></div><div>Held bi-weekly showcases with the business team (client) for feedback.</div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div>				
Education	<div><div><div><div><div><div>Laikipia University</div><div>BSC Computer Science</div><div><div><div></div></div>https://laikipia.ac.ke/</div></div><div><div><div><div></div></div><div>Coursework: Analysis of algorithms, data structures, Programming, Networking, Database management, Blockchain technology and IOT.</div></div></div></div></div></div></div>				
Technologies	Python	Node.js	Typescript	System Design	Microservies
	Docker	Kubernetes	Api Integrations.	Event driven Programming	Java
	SpringBoot	NestJs	Django	IBM ESB	IBM App Connect
	API Design	AWS	Continuous Integration	Continuous Delivery	