

## CONTACT INFO

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## PROFESSIONAL SUMMARY

Mid-senior full-stack software engineer with 7+ years of experience building, scaling, and supporting production web applications in distributed, remote teams. Comfortable owning features end-to-end from requirements and systems design to deployment and production support. Strong background in API design, data modeling, and building reliable, scalable systems in fintech and SaaS environments. Product-minded, delivery-focused, and effective in async teams where clear communication, ownership, and problem-solving matter more than meetings, with experience working in Agile teams that emphasize code reviews and writing clean, testable code.

## KEY SKILLS

**Programming Languages:** Node.js, TypeScript, JavaScript (React, Vue.js, Angular), PHP (Laravel, code-ignitor), Python (Flask), REST APIs, Express, Next.js, Flutter.

**Architecture & Delivery:** Scalable system architecture, real-time processing, systems design, cross-functional collaboration, root cause analysis, technical documentation, user training.

**Cloud & Infrastructure:** AWS (deployments, server management), GCP, Azure, Digital Ocean, Docker, Kubernetes, CI/CD pipelines, Git, MySQL.

**Fintech / Payments:** Payment gateway integrations (Safaricom M-Pesa, Visa/Mastercard, Pesapal, JamboPay), secure data validation and encryption, reconciliation systems.

**Software Tools:** Jenkins, Slack, Datadog, Dynatrace, Zabbix, Jira, Zoho, Grafana, Postman, SonarQube.

## PROFESSIONAL EXPERIENCE

### Full Stack Software Engineer - consultant | Nov 2025 – to Date

Secustar Solutions Ltd, Kenya

- Lead full-stack feature development and system enhancements, aligning technical delivery with business goals and operational efficiency.
- Design scalable APIs and system integrations, enabling seamless communication across distributed services and platforms.
- Improve database performance and system reliability through query optimization and efficient data architecture design.
- Champion engineering best practices including testing, code reviews, and CI/CD workflows to ensure high-quality production releases.

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### Software Developer | Mar 2023 – Oct 2025

AARO, Kenya / Sweden

- Led backend architecture and secure integration of large-scale enterprise reporting systems, applying hands-on coding embedding data validation, encryption, and APIs to ensure compliance with international financial/identity standards.
  - Owned end-to-end development of Microsoft Word and Excel add-ins using React.js and Node.js, contributing to systems design decisions that enabled real-time data processing and scalable enterprise reporting.
  - Collaborated cross-functionally to build and upgrade portals with Azure deployments and ERP integrations, applying strong analytical skills to assess requirements, identify system gaps, and deliver scalable integration solutions.
  - Implemented CI/CD pipelines, automation, and monitoring using shell and python scripting to improve system efficiency, reduce load times, and enhance reliability in production environments.
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## Web Applications Developer | Jul 2021 – Feb 2023

EDOMX Ltd, Kenya / Us

- Designed and deployed scalable backend systems for loan application, merchant, reconciliation, and e-commerce portals using object-oriented programming principles, making key architectural and technology decision making to ensure maintainable architecture, data integrity, and long-term scalability in financial services environments.
  - Orchestrated end-to-end integrations with major payment gateways across cloud services including AWS, GCP, and Safaricom Cloud, enabling high-availability, real-time synchronization for mission-critical transactions.
  - Built Node.js REST API backend for loan system with Bootstrap frontend; developed USSD application using Node.js/Africastalking for mobile loan requests; documented workflows in Figma for consistent UI/UX.
  - Led user training and support for field and back-office teams on secure data management, leveraging hands-on problem solving to resolve operational issues, reduce errors, and improve overall system efficiency.
  - Created Ecommerce API system with RESTful endpoints, documented using Swagger, and supported frontend integration via Bootstrap, enabling faster product catalog updates.
  - Led user training and technical support programs for field and back-office staff, equipping teams to manage sensitive data systems securely and efficiently.
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## Applications Developer | Mar 2019 – Jun 2021

Wananchi Group (K) Ltd, Nairobi, Kenya

- Developed and maintained billing, contact management, helpdesk, and recruitment systems using Laravel, VueJS, RabbitMQ, Redis, Postgres, Docker, and on-prem deployments, leveraging strong analytical skills to optimize performance, improve billing accuracy by 20%, and reduce service times by 50%.
- Implemented CI/CD pipelines, monitoring, and testing as part of established engineering practices to improve system efficiency, reduce load times, and enhance reliability in production environments.
- Created documentation and provided technical support/cross-functional collaboration, accelerating onboarding and issue resolution in production environments.

### Notable applications developed and maintained:

- Contract Management System (Laravel, Tailwind CSS, Livewire, Postgres, Git, Docker) – enabled quick client data retrieval and streamlined communication workflows.
  - IT Helpdesk Support System (Node.js, Express, Postgres, Git, Docker) – streamlined ticket handling and reduced response times.
  - Autosign Document & ETR System (Laravel, VueJS, InertiaJS, MySQL, Git, Docker, mail server automation) – accelerated document processing and routing.
  - HR Recruitment Portal (Laravel, VueJS, Postgres, Git, Docker, email notifications, SMS and WhatsApp integrations) – accelerated candidate tracking.
  - Service Request Portal (Laravel, ReactJS, Axios, MariaDB, Git, Docker) – enabled more efficient internal service requests.
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## Software Engineer | Apr 2014 – Dec 2018

Emomentum-interactive systems, Nairobi, Kenya

- Contributed to backend and full-stack development of Nairobi County web portal and online services using Silverstripe CMS, jQuery, Elasticsearch, and AWS (EC2 and RDS) - enabling citizen access to public services and integrated payment APIs (Safaricom M-Pesa, Visa/Mastercard, Pesapal).
- Owned requirements gathering, architecture, process flows, and deployment for systems like request management, contact management, and compliance platforms—ensured scalability, security, and uptime (99%) for public-facing applications.
- Developed e-commerce and monitoring systems with real-time search/indexing, improving data access and operational efficiency in resource-constrained settings.

**Notable applications developed and maintained:**

- Multiple intranets and public websites – improved internal communication and reliable user access.
- Governance, Risk, and Compliance System (Elasticsearch for audit indexing, network management tools, AWS) – strengthened compliance tracking and reporting.

**EDUCATION**

**Bachelor of Science in Mathematics & Computer Science | 2009 – 2013**

Catholic University of Eastern Africa (CUEA), Nairobi, Kenya

- Member of Computer Science Club
  - Member of Presidential Awards (PA) club
  - Member of Marketing Students Association Club
  - Member of Catholic University Rugby Club
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