

Arsene Thierry KOMEZUDUFASHE

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Software engineering and technology professional with hands-on experience in full-stack web development, application integration, deployment automation, server and infrastructure management, and production support. Currently serving as CTO at Oodser and Praeta Consult, with responsibilities spanning application architecture, development, database design, production deployments, incident troubleshooting, testing, documentation, and developer mentoring. Technical experience includes Next.js, Express, NestJS, MongoDB Atlas, relational databases, REST APIs, Docker, CI/CD, AWS S3, authentication, access control, monitoring, and backup/recovery. Brings an additional enterprise-systems background in Microsoft Dynamics CRM, identity and access management, and secure authentication workflows.

CORE SKILLS

Software development: Next.js, Express, NestJS, full-stack web application development, REST APIs, third-party integrations

Databases and data: MongoDB Atlas, PostgreSQL, MySQL, SQL Server; database design and SQL.

DevOps and operations: Docker, VPS/server administration, CI/CD pipelines, production deployment, monitoring, backups and recovery

Security: Authentication, access control, OAuth 2.0, JWT, multifactor authentication, identity and access management, data protection

Quality and delivery: Testing, debugging, production incident resolution, code reviews, technical documentation, system maintenance

Enterprise platforms: Microsoft Dynamics CRM, NetIQ Advanced Authentication, NetIQ Access Manager

PROFESSIONAL EXPERIENCE

Chief Technology Officer | Oodser

Sept2025 – Present | Kigali, Rwanda

- Contribute hands-on to full-stack product development using Next.js and Express, with MongoDB Atlas as a data platform.
- Manage application hosting and production delivery using Docker, VPS infrastructure, and CI/CD pipelines.
- Make technical and architecture decisions and contribute to testing, production troubleshooting, and ongoing application maintenance.
- Support code quality and maintainability through code reviews, technical documentation, and mentoring of a small team.

Chief Technology Officer | Praeta Consult

April2026 – Present | Kigali, Rwanda

- Lead hands-on full-stack development using Next.js and NestJS, including REST APIs and third-party system integrations.
- Work with relational databases including PostgreSQL to contribute to database design and SQL-related work.
- Manage application infrastructure and production self deployments using Docker, VPS environments, and CI/CD pipelines.
- Support authentication and access-control implementation, AWS S3 integration, production monitoring, backups, and recovery practices.
- Coordinate technical decisions, testing, production incident resolution, code reviews, documentation, and knowledge transfer to developers.

Teknowledge (Microsoft Dynamics CRM)

Sept2024 – Present | Kigali, Rwanda

- Support Microsoft Dynamics CRM environments and help maintain data integrity and accuracy across client databases.
- Troubleshoot and reconcile data across CRM systems, databases, and third-party applications.

- Apply enterprise security practices, including VPN management, multifactor authentication, and secure file-sharing procedures.
- Provide technical support to distributed EMEA teams and assist with enterprise software and licensing issues.

IAM Support Engineer | OpenText / NetIQ

Sept2023 – Sept2024 | Kigali, Rwanda

- Supported NetIQ Advanced Authentication and Access Manager implementations.
- Worked with secure authentication workflows and multifactor authentication configurations.
- Supported enterprise identity and access management and practices relating to data protection and security compliance.

Full-Stack Software engineer | NbliK

June2022 – Sept2023 | Delhi, India

- Implemented user authentication using OAuth 2.0, JWT, and custom authentication flows in Next.js applications.
- Developed REST APIs and integrated front-end components with backend identity-provider services.
- Collaborated with backend developers on application integration and secure authentication functionality.

EDUCATION

Bachelor's Degree in Computer Application, Cloud Technology & Information security | KL University, India

June 2023 | First-class recognition

MSc in Software Engineering | in progress | INES-Ruhengeri

CERTIFICATIONS

- Certificates from Opentext trainings(Data privacy 2025, security essentials, sql server certificate, Access Management technical training, Opentext GDPR)
- [Nblik developer internship](#) + [Full stack internship](#) + [REB Computer science competition](#)

REFEREES

Marvella Kameca

- Role: Team Manager (Manager)
- Email: mkameca@opentext.com, marvella.kameca@teknowledge.com
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UMUTESI Liliane

- Role: Technical Lead (Microsoft Dynamics)
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KUBAHO Linne Heaven

- Role: IT Specialist at Enabel
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