

IDEMUDIA M. OSAGHAE

Software Engineer | Backend Development | Fintech & IT Security

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PROFESSIONAL SUMMARY

Backend-focused Software Engineer based in Tallinn, Estonia, with two BSc degrees and practical experience building secure, scalable systems for fintech and SaaS products. Works across the stack with Java/Spring Boot, Node.js, Express, TypeScript, and PostgreSQL, with strong skills in JWT authentication, REST API design, multi-tenant architecture, and CI/CD. Recent projects include a banking platform integrating Plaid and Dwolla, and a multi-tenant management system delivered within an Agile team. Looking for a backend or full-stack engineering role where security and clean architecture are valued.

TECHNICAL SKILLS

Languages: JavaScript · TypeScript · Python · Java · SQL · Dart
Frameworks: Node.js · Express · Next.js · React · Spring Boot · Flutter
Databases: PostgreSQL · MySQL · MongoDB
DevOps: Git · Docker · GitHub Actions · CI/CD · Render · Vercel · Railway
Tools: Jira · Postman · REST APIs · Swagger · MapStruct · Flyway
Focus: Backend Development · Application Security · JWT Auth · Multi-tenant Architecture · Code-Review

PROFESSIONAL EXPERIENCE

Freelance Software Engineer | *Remote* 2022 – Present

- Design, build, and deploy full-stack web applications for clients, with a focus on performance, security, and maintainability.
- Integrate third-party REST APIs and payment gateways, reducing manual processing time for clients.
- Carry out security assessments and apply best practices, including input validation and secure authentication flows.
- Manage delivery end-to-end: requirements gathering, sprint planning, testing, and deployment.

Senior Production Specialist | *Eippa WSOperations OÜ (Swappie), Estonia* 2022 – 2024

- Diagnosed, tested, and reactivated iOS devices using specialised tools (2Utool, 3Utool, Blancco) to strict quality standards.
- Worked within Agile workflows, consistently meeting throughput targets and quality-control metrics.
- Provided technical support and coordinated logistics across device distribution pipelines.

Junior Software Engineer | *Zazuu Financial Services · London, UK (Remote)* 2019 – 2020

- Developed and optimised cross-border payment algorithms, improving transaction throughput for African markets.
- Integrated local payment APIs to extend platform support across multiple African countries.
- Implemented security measures to safeguard financial transactions and reduce fraud.
- Worked with product managers and senior engineers in an Agile team to ship features on schedule.

IT Support / Systems Engineer — *RADAR Systems | Ministry of Defence, Nigeria* 2007 – 2019

- Maintained and monitored mission-critical RADAR and IT infrastructure, ensuring continuous operational availability.
- Diagnosed and resolved complex hardware and software faults, minimising downtime in high-stakes environments.
- Performed system upgrades, security patching, and configuration management across networked infrastructure.
- Improved system reliability through proactive monitoring, fault analysis, and process improvements.

KEY PROJECTS

Kindergarten Management SaaS Platform | *TalTech Team Project* · 5-person Agile team 2026

Tech Stack: Java · Spring Boot · Next.js 14 · TypeScript · PostgreSQL · Docker · GitHub Actions

- Contributed to a multi-tenant SaaS platform for kindergarten operations — child records, attendance, class groups, teacher management, and parent communication.
- Implemented JWT-based tenant resolution (TenantContext), ensuring data isolation across tenants in a shared database.
- Refactored the authentication service and resolved a Flyway migration conflict that was blocking deployment.
- Built the KINDERGARTEN_ADMIN dashboard (PR #71): MUI stat cards, Recharts donut chart, and parallel data fetching.
- Delivered a full-stack class-records feature: Spring Boot REST endpoint, TypeScript model, custom React hook, and MUI data table.
- Configured GitHub Actions CI/CD for automated Docker builds and deployment to Render; deployed the live demo to a custom subdomain.
- GitHub: github.com/engr-idemudia/kindergarten-app · Live: kindergarten.idemudia.dev

NextBank — Fintech Banking Platform | *Personal Project*

2025 – 2026

Tech Stack: Next.js 14 · TypeScript · Appwrite · Plaid · Dwolla · Chart.js · TailwindCSS · ShadCN

- Built a full-stack financial SaaS platform enabling users to link multiple bank accounts, view real-time transactions, and transfer funds between users.
- Integrated Plaid for secure open-banking account linking and Dwolla for ACH-based peer-to-peer transfers with full authorisation flow.
- Implemented SSR authentication with Appwrite, secure cookie-based sessions, and Zod-validated forms via React Hook Form.
- Delivered an aggregated dashboard with Chart.js spending categories, paginated transaction history, and real-time balance updates.
- Instrumented with Sentry for client, server, and edge error tracking. GitHub: github.com/engr-idemudia/NextBank

SaaS Translator — Real-Time Multi-Language Chat | *Personal Project*

2025 – 2026

Tech Stack: Next.js 13 · TypeScript · Firebase Firestore · Stripe · NextAuth · Zustand · TailwindCSS

- Built a full-stack SaaS platform with real-time multi-language chat translation, supporting free and Pro subscription tiers.
- Integrated Stripe subscription payments with webhook handling, NextAuth for authentication, and Zustand for state management. Live at translator.idemudia.dev

Meal Tracker — Full-Stack Nutrition App | *Personal Project*

2022 · Rebuilt 2026

Tech Stack: Node.js · Express · PostgreSQL · React (Vite) · Cloudinary · JWT · Railway · Vercel

- Built a calorie and meal-tracking application with JWT authentication, Cloudinary image uploads, and date-filtered reports.
- Fully re-engineered the original 2022 build — migrated from AdonisJS/MySQL/Heroku to a modern Node.js + Express REST API with PostgreSQL and a React (Vite) SPA. Live at meal-tracker.idemudia.dev

EDUCATION

BSc Software Development & Entrepreneurship | *Estonia Entrepreneurship University of Applied Sciences (EUAS)*

2020 – 2023

Tallinn, Estonia | Sole African graduate in the programme.

BSc Mathematics & Computer Science | *Rivers State University (RSU)*

2011 – 2014

Port Harcourt, Rivers State, Nigeria.

National Diploma — Computer Engineering | *University of Benin (UNIBEN)*

2004 – 2006

Benin City, Edo State, Nigeria.

CERTIFICATIONS & TRAINING

Intensive Agile Development Bootcamp — AS Proekspert, Tallinn Top 16 / 97	Jul – Aug 2022
<i>Built a Kudos Application (JavaScript, React, Java). Workshops on Jira, CI/CD, REST API testing, and Agile rituals.</i>	
Quality Assurance Industry Training — Brainnest, Germany	2022
Network Security Expert (NSE-1) — Fortinet Training Institute	2020
Certified Ethical Hacker (CEH-1) — EC-Council	2015

AWARDS & RECOGNITION

Sole African Graduate — EUAS Software Development	2023
Top 16 / 97 — Intensive Agile Dev Crash Course, AS Proekspert	2022
Top 200 / 3,300 — GO-Reloaded Selection Sprint Bootcamp, Kood/Jõhvi	2021
Best All-Round Student — Nigerian Army School of Electronics	2009 & 2011

CONTINUOUS LEARNING

Node.js, Express, MongoDB & More: Complete Bootcamp — Udemy	2024
100 Days of Code: Python Pro Bootcamp — Udemy	2023
Data Structures & Algorithms — ZTM Academy, Udemy	2022
Modern JavaScript (Novice to Ninja) — Udemy	2022
Ultimate Java Part 1 & 2 (OOP) — MOSH Academy	2021

LANGUAGES

English — Native / Full Professional Proficiency
Estonian — Basic

References: available upon request.