

# BAKARE TIOLUWANI BOLUWATIFE

## Full Stack Software Engineer

Java || React || Spring Boot || Fintech Systems || Workflow Automation || Microservices

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## PROFESSIONAL SUMMARY

I am a full stack software engineer with hands-on experience building end-to-end web applications, production-grade REST-APIs, internal banking systems, and AI-assisted operational platforms. My experience spans frontend application development, backend architecture, workflow automation, authentication systems, and scalable business operations tooling using Java, React, Spring Boot, PostgreSQL, and modern web technologies. My projects include receivables management systems, AI-assisted escalation workflows, webhook-driven automation, async task processing, and operational dashboards designed around real business operations. I also have experience contributing to live banking infrastructure at Union Bank of Nigeria, with exposure to CI/CD pipelines, containerization, monitoring systems, and infrastructure tooling.

## TECHNICAL SKILLS

Languages	Java, Python, SQL, JavaScript, PHP, C++, C#
Full Stack Development	React.js, Next.js, Vite, Tailwind CSS, Spring Boot, Spring Security, REST API Design, JWT Authentication, Webhook Processing
Databases	PostgreSQL, MySQL, Oracle DB 12c
DevOps & Infra	Docker, Jenkins, Terraform (IaC), Git
Monitoring	Prometheus, ELK Stack
AI & Automation	Gemini API, Claude API, AI-assisted workflow systems, async processing pipelines
Methodologies	Agile/Scrum, API documentation, technical presentations

## PROFESSIONAL EXPERIENCE

### Java Backend Engineer | Union Bank of Nigeria

2024 · Lagos

- Contributed to the CMR (Customer Management & Reporting) system - an internal platform improving customer data management and reporting efficiency across banking operations.
- Designed and implemented RESTful APIs for secure, optimized data transfer between core systems; produced full endpoint documentation for cross-team consumption.
- Participated in backend testing and pre-production validation workflows to ensure API reliability before deployment, catching and resolving stability issues before go-live.
- Integrated DevOps tooling including Jenkins (CI/CD), Docker (containerization), and Terraform (IaC); monitored system health via Prometheus and the ELK Stack.
- Presented the completed CMR system architecture, functionality, and business impact directly to executive stakeholders including the CIO and CTO - system approved for organization-wide use.

### Brand Ambassador | Cowrywise

2025 · Babcock University

- Represented Cowrywise's savings and investment products within the Babcock University community; drove user acquisition through peer outreach, content creation, and community events.

### IT Consultant | Hogfield Ventures Nigerian Ltd

2020–2021 · Nigeria

- Delivered technical support and consulting services in a professional enterprise environment.

## PROJECTS

### InvoiceAgent · FEATURED PROJECT - Java 17, Spring Boot, PostgreSQL, React, JWT, Gemini API, Webhooks

- Built a full-stack invoice and receivables management platform with AI-assisted escalation logic -automatically detects overdue invoices and triggers intelligent follow-up workflows.

- Developed responsive React-based operational dashboards for invoice tracking, payment visibility, workflow monitoring, and AI-assisted communication management.
- Engineered backend architecture covering receivables lifecycle, payment status tracking, automated reminder scheduling, and webhook-driven event processing.
- Implemented JWT-based authentication and role-based access control; integrated the Gemini API to power AI-driven escalation decisions and operational automation.
- Designed async processing pipelines for non-blocking reminder dispatch; applied production-style error handling, retry logic, and system observability patterns.
- Demonstrates end-to-end operational thinking: business state management, process automation, payment workflow logic, and AI integration.

#### **CMR System - Union Bank of Nigeria** - *Spring Boot, PostgreSQL, Jenkins, Docker, Terraform, Prometheus, ELK*

- Built an internal web platform to centralize customer data management and reporting across banking operations; APIs handled secure data transfer between core banking systems.
- Delivered in a real production environment with live stakeholder review and CTO/CIO sign-off -approved and deployed organization-wide.

#### **Inventory Management System for SMEs** - *Spring Boot, PostgreSQL, React, Role-Based Access Control*

- Developed integrated React-based frontend workflows for inventory visibility, stock monitoring, and operational dashboards.
- Led backend development of a web-based inventory system for retail/wholesale SMEs; implemented real-time stock tracking, sales management, and role-based access control.
- Built automated low-stock alerts and product expiration notifications, enabling proactive, data-driven restocking decisions for business operators.

#### **RenCash - Loan Management Platform** - *Spring Boot, REST APIs, Agile*

- Co-developed a loan application and approval platform; served as project manager coordinating a cross-functional student team using Agile methodology across the full delivery lifecycle.

## CERTIFICATIONS

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- Oracle Certified Associate (OCA) – Java SE 8
- Oracle Certified Professional (OCP) – Java SE 8
- Oracle DB 12c Administration
- CompTIA A+ (Core 1 & 2)
- Fundamentals of Computer Security
- CPN Member (Computer Professionals, Registration Council of Nigeria)

## EDUCATION

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- **B.Sc. Software Engineering** · Babcock University 2021–2025 (*Graduated*)
- **Diploma -Java, DevOps & Software Security** · NIIT Nigeria 2020–2023