

Pascal Ally Ahmadu

Senior Full-Stack Engineer | MERN, TypeScript, Deployment Architecture & Platform Operations

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PROFESSIONAL SUMMARY

Senior full-stack engineer with 5+ years building enterprise-grade MERN and TypeScript applications and taking them from source code to reliable production. Hands-on with Linux server environments, Docker, Nginx and SSL configuration, CI/CD pipelines (GitHub Actions), and the monitoring, backup, and rollback discipline that keeps systems recoverable; IBM-certified in containers, Kubernetes & OpenShift. Delivered secure platforms with RBAC and audit trails for enterprise, public-sector, and SaaS clients across insurance, logistics, and ERP domains in Nigerian and international environments, using AI-assisted workflows while retaining full accountability for architecture, testing, and everything that ships to production.

CORE TECHNICAL SKILLS

- Backend: Node.js, TypeScript, Express.js, NestJS, RESTful API design, microservices, MongoDB, PostgreSQL, authentication & authorisation, RBAC, audit trails
- Frontend: React, TypeScript, JavaScript (ES6+), HTML5, CSS3, component-driven UI, state management, responsive & accessible (a11y) design
- Deployment & Platform Operations: Linux server administration, Docker & Docker Compose, Nginx reverse proxy, SSL/TLS, DNS & domain routing, firewalls, environment variables & secrets management
- CI/CD & Release: GitHub Actions, automated build/test/deploy pipelines, rollback procedures, release tagging, environment separation (dev / staging / UAT / production), Git workflows & code review
- Cloud & Infrastructure: AWS-based deployments, Kubernetes & OpenShift (IBM certified), VPS and client-hosted environments, performance monitoring, cost optimisation
- Monitoring & Reliability: logging, alerting, error tracking, uptime checks, backups & restoration, database migrations, smoke tests, production troubleshooting
- Testing: Jest, Cypress, Playwright for unit, integration, API, and end-to-end test coverage
- AI-Native Engineering: AI-assisted scaffolding, refactoring, test generation, and documentation with disciplined human review; protection of secrets, credentials, and client data in AI workflows

PROFESSIONAL EXPERIENCE

Lead Engineer | Cyber-Data Automations Ltd | Abuja, Nigeria

Feb 2026 – Present

- Design and build full-stack enterprise platforms, including ERP systems and national-scale logistics tooling, owning React/TypeScript frontends and Node.js/TypeScript backend services end-to-end.
- Own deployment architecture across cloud, VPS, and client-hosted environments: Linux server configuration, Docker and Docker Compose, Nginx reverse proxy, SSL certificates, domain routing, and secrets management.
- Set up CI/CD pipelines (GitHub Actions) automating build, test, deployment, and rollback workflows, with monitoring, backups, and operational runbooks for production systems.
- Lead architecture decisions and review engineering work across client engagements, producing technical specifications, API documentation, and implementation roadmaps for production deployments.

Full Stack Developer | Access Beta | Remote (Canadian client)

Sept 2025 – Feb 2026

- Built and maintained scalable REST APIs and microservices (Node.js, PostgreSQL, MongoDB) powering the MyKey insurance platform, with Docker-based deployments, performance monitoring, and cost optimisation.
- Implemented real-time integration between frontend booking flows and backend fair-value/billing services, including rate checking, availability management, and automated reporting dashboards for internal teams.
- Built React/TypeScript workflows for the Adjuster Dashboard, ALE Simulator, and multi-tab claim submission flow, and developed the customer-facing MyKey Hotel Self-Serve booking portal for displaced policyholders.

Software Developer & ICT Engineer | Mercy Corps | Abuja, Nigeria

Aug 2024 – Sept 2025

- Built People Central (HR & contract management) and Ops Central (operations dashboard), internal systems with dashboard-driven React interfaces for record-keeping, asset tracking, and multi-site operational reporting.

- Supported the underlying IT infrastructure (Microsoft 365, Intune, Entra ID) for the same user base these applications served, giving direct insight into real end-user workflows and requirements.
- Wrote PowerShell automation for reporting and administrative tasks, reducing manual effort across 5 offices.

Software Developer | Modibbo Adama University | Yola, Nigeria Jan 2021 – Jul 2024

- Designed and built the UniElect e-voting platform, including its public-facing voting interface and admin/results dashboards, with RBAC and audit trails for a 20,000+ user institutional environment.
- Supported IT assets, networks, and endpoints across the university, achieving 99% uptime.

Software Developer | Cyberdata Automations Ltd | Abuja, Nigeria Mar 2019 – Aug 2021

- Built MERN stack applications (React frontends with Node.js/Express APIs) with authentication, for process automation clients.
- Maintained version control (Git) and clean data management practices across projects.

RELEVANT FULL-STACK & PLATFORM PROJECTS

- MyKey Adjuster Flow & Hotel Self-Serve (Access Beta, Canada): 24-step React-based insurance adjuster workflow and a customer-facing self-service booking portal with real-time integration.
- Maizube Waters ERP: Full-stack ERP (React, Node.js, PostgreSQL) with 40+ modules across HR, Finance, Operations, and Employee Self-Service, including a browser-based employee portal.
- UniElect / Modibbo Adama E-Voting Platform: secure electronic voting system with public voting UI, admin dashboards, RBAC, and audit trails.
- NIPOST Operations Platform (Project SPINE): national postal logistics platform specification, including customer tracking portal and dispatch/routing dashboards.

EDUCATION

Master of Technology (MTech), Computer Science, Modibbo Adama University of Technology, Yola, Nigeria (2019–2023)

Bachelor of Science (BSc), Computer Science, Kwararafa University, Wukari, Nigeria (2013–2018)

CERTIFICATIONS

- IBM: Containers w/ Docker, Kubernetes & OpenShift; Cloud Native, DevOps, Agile & NoSQL; Back-End Apps with Node.js & Express; Front-End Apps with React; JavaScript Programming Essentials; Git and GitHub; Software Engineering; IBM IT Support Professional Certificate; Cloud Computing; Networking and Storage; Software, Programming & Databases; Hardware and Operating Systems.
- Google: Google IT Support Professional Certificate; IT Security: Defence Against the Digital Dark Arts; System Administration and IT Infrastructure Services; Operating Systems: Becoming a Power User; The Bits and Bytes of Computer Networking; Technical Support Fundamentals.
- Microsoft: Microsoft IT Support Specialist; The Microsoft 365 Ecosystem; Technical Diagnostics and Troubleshooting; Cybersecurity and Privacy; Introduction to Secure Networking.
- HP LIFE: Inventory Management; IT for Business Success.
- Other: Docker Essentials (Cognitive Class); Containers, Kubernetes & OpenShift (Cognitive Class); Java Intermediate (Sololearn).