

Uchenna Bright Ugwumadu

Cloud Software Engineer | Full-Stack Developer

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 credly.com/users/uchenna-ugwumadu/badges  github.com/josebright  gitlab.com/josebright

Professional Summary

Full-stack software engineer with over 5 years of strong background in cloud, AI integration, and scalable systems design. Proven track record across startups, NGOs, and international teams in delivering high-impact, production-ready applications spanning fintech, healthtech, AR SaaS, e-commerce, and scientific collaboration platforms. Adept at bridging business needs and technical solutions, mentoring teams, and driving performance improvements. Passionate about AI-powered applications, real-time systems, and building software that scales globally.

Work Experience

Founder & President

01/2024 – Present | Abuja, Nigeria

CapacityDey Tech Club

Founded a developer community focused on bridging the gap between technical skills and real-world client and business needs.

- Mentored 50+ developers, leading a core team of 10+, and embedded principles of SDLC, UX, and security-focused development.
- Delivered GT Augment  (no-code AR platform for businesses) and BioMedigo (hospital record tracker for Africa).
- Led a Cloud Security Gig: Architected and implemented a secure cloud infrastructure for a client project on AWS, including IAM role design, S3 bucket encryption, API Gateway access control, and vulnerability scanning pipelines via GitLab CI/CD.
- Conducted internal cloud security workshops covering DevSecOps practices, secret management, and infrastructure hardening.

Impact: Graduated client-ready engineers, improved cloud deployment security posture by 60%, and shipped production-grade solutions with measurable social and technical impact.

Software Engineer

04/2023 – present | Brussels, Belgium

TechVenia

Projects: SciVenia and Mubazar

- Deployed scalable backend infrastructure on Azure EC2 using Dockerized containers.
- Integrated application insights for observability and implemented rate limiting + JWT refresh flow to harden authentication.
- Optimized Redis caching for 3x faster real-time messaging throughput.
- *SciVenia* : Platform centralising scientific event organisation, applications, payments, and researcher collaboration.
 - Upgraded Laravel/React packages, removed bottlenecks, and improved load time and responsiveness.
 - Built real-time group chat and notifications with WebSockets + Redis to improve collaboration.
 - Implemented best practices (testing, reviews, linting) and mentored interns to raise code quality.
 - Owned deployments, observability, and debugging flows; improved release reliability.
- *Mubazar* : A global platform for music, organisers post opportunities (workshops, performances, competitions, auditions, learning), musicians discover and apply.
 - Delivered features across FE/BE, integrated Stripe payment flows where relevant, and hardened auth/session handling.
 - Introduced AI-assisted workflows (research, prototyping, and integration) to speed internal processes and improve user interactions.
 - Implemented monitoring and diagnostics (logging, debugging tools, Application Insights-style tracing) to reduce time-to-fix.

Impact: More stable releases, faster feature throughput, better UX (real-time collab and notifications), and a cleaner, maintainable codebase across two active products.

Technical Lead / Software Engineer

10/2023 – 01/2025 | Innopolis, Russia

GT Merch [✉](#)

Only engineer responsible for all tech-related solutions.

- Re-designed GTMerch [✉](#) (WordPress), added multi-store (Nigeria/Russia), payments, delivery, translations, and performance optimisations; reduced hosting cost via smarter infra choices.
- Proposed and oversaw GT Augment [✉](#) (AR SaaS) via CapacityDey: business dashboard + mobile scanner. Drove cost-aware execution across ~12 months.
- Trained staff to self-manage WordPress, cutting external dependence.

Impact: Faster site, lower costs, cross-border operations, and an AR product that deepened customer engagement.

Co-Founder & Software Engineer

08/2021 – 01/2023 | Lagos, Nigeria

CoinForBarter [✉](#)

Crypto payment gateway (web, mobile, POS) serving users primarily in Africa.

- Focused on product design, new features, and deep debugging across dashboard and mobile.
- Built Scan-to-Pay, Point of Sale, and a PHP SDK [✉](#) for merchant integrations.
- Supported beta launch. Received interest from YC, but the regulatory climate in Nigeria limited scaling, and the project was later discontinued.

Impact: Delivered a complete multi-surface payment experience and a developer-friendly SDK despite a challenging market.

Technical Support Engineer

10/2021 – 09/2022 | Lagos, Nigeria

Tek Experts [✉](#)

Azure Web Apps, Azure DevOps/GitHub Actions, ARM/Terraform, Docker/Kubernetes, Storage/VMs.

- Unblocked enterprise deployments by diagnosing pipeline failures, config drift, container/app startup errors, and permission/RBAC issues.
- Drove cost-savings guidance (>\$200/month per customer) via right-sizing and lifecycle policies.
- Consistently among top performers, with 5-star customer ratings and positive reviews, my team is recognised as the best.

Impact: Faster incident resolution, fewer repeat escalations, and happier customers.

Technical Lead / Full-stack Engineer

08/2020 – 08/2021 | Lagos, Nigeria

FirstFounders Inc. [✉](#)

Progressed Intern → Frontend → Full-stack → Tech Lead within a year.

- Built client sites/systems: KairosTreats, Ten4Style, Tulip Foundation, Ara Foundation, Rebirth Africa, FirstChoice, led FirstFounders site re-development.
- As Tech Lead: managed PockerLawyer (legal-tech), Uncircle (health-tech, beta at exit), and FirstChoice re-platform.
- Owned deployments & servers (Whogohost domains, GoDaddy hosting) across all projects; ran incident-free launches.

Impact: Multiple production deliveries, stronger engineering practices (pairing, testing, reviews), and dependable releases.

Projects

SciVenia & Mubazar Cloud Deployment (TechVenia)

Deployed and managed cloud infrastructure on AWS using GitLab CI/CD pipelines and EC2-based containerized environments.

- Designed and implemented GitLab CI/CD pipelines to automate build, test, and deployment workflows across staging and production.
- Configured EC2 instances with load balancing and auto-scaling for multi-region availability.
- Integrated monitoring, log aggregation, and rollback automation to ensure high reliability.
- Hardened deployments with IAM roles, security groups, and secrets management for CI/CD runners.

Result: Achieved 40% faster release cycle, 99.9% uptime, and improved incident visibility.

Smart Home CVE Vulnerabilities Recommendation App [🔗](#)

- Built an AI-powered system to analyze NVD data, detect vulnerabilities, and recommend mitigations for IoT devices.
- Exposed an API for scoring/lookup and a dashboard for search, filter, and prioritisation.

API: github.com/josebright/smart-home-vulnerabilities [🔗](#)

Dashboard: github.com/josebright/shd-risk-assessment [🔗](#)

Impact: Automated risk triage and improved remediation accuracy.

Company Info App (React, GraphQL, SSR) [🔗](#)

- Built an SSR company-profiles app with secure auth, create/edit flows, and logo upload (JPEG/PNG, size validation).
- Implemented GraphQL queries/mutations (Apollo) with robust error/empty-state handling.
- Added deep-link prefill (query param) and a company list/detail view for quick retrieval.

Stack: React, Apollo GraphQL, SSR (Next.js), Form handling, Validation

Weather App (React) [🔗](#)

- Single-page app using Open-Meteo with city search, favorites, and notes (add/edit/remove).
- Offline-first with local persistence and unit tests; modern, accessible UI.

Stack: React, LocalStorage, Testing

Loan Database Dashboard (React + TypeScript) [🔗](#)

- Delivered an admin dashboard with secure login and a clean, responsive Material UI experience.
- Used TypeScript + hooks for safer state management; React Router for navigation.
- Simulated backends with Mirage JS and JSON Generator; persisted data via IndexedDB/LocalStorage.
- Maintained quality with ESLint and structured folder conventions.

Repo: github.com/josebright/lendsqr-fe-test [🔗](#) (includes login details)

Stack: React, TypeScript, Material UI, SCSS, React Router, Mirage JS, IndexedDB

The Ultimate Language Learning Application (Requirements Engineering) [🔗](#)

- Led requirements for a vocab-learning app for non-Russian students at Innopolis University.
- Produced Vision and Scope, Personas + User Stories, UX evaluation, feature graph, and a Software Requirements Specification.
- Defined acceptance criteria and prioritization to de-risk delivery and align stakeholders.

Focus: Requirements, UX research, SRS, stakeholder alignment

Industrial Project Alumni Portal [🔗](#)

- Contributed to the design & development of alumni portal to streamline access and engagement.
- Designed flows for Pass requests and elective enrollment, plus a centralised events/network hub.
- Ensured alumni receive essential information in one place, improving clarity and response times.

Focus: IA/UX, feature design, implementation support

CoinForBarter PHP SDK [🔗](#)

- Authored a Laravel-friendly SDK to integrate CoinForBarter quickly (auth, charge, verify, webhooks).
- Added examples and basic tests to speed merchant onboarding and reduce integration bugs.

Stack: PHP, Laravel, HTTP client, Testing

Repo: github.com/josebright/coinforbarter-v1-php-sdk [🔗](#)

Education

M.Sc. in Computer Science

Innopolis University [🔗](#)

CGPA: 4.55/5 | Software Engineering track

08/2022 – 08/2024 | Innopolis, Russia

B.Sc. Mathematics

University of Nigeria [🔗](#)

Graduated Second Class Upper (Honours)

11/2014 – 07/2018 | Nsukka, Nigeria

Certification

Cloud Developer Nanodegree [↗](#)

02/2022 – 08/2022

(Udacity) - AWS, Serverless, CI/CD, Microservices

Key topics: Refactor monolith to microservices, serverless application development and deployment.

- Refactor Monolith to Microservices and Deployment [↗](#)
- Development & Deployment of Serverless Applications [↗](#)

Intro to Programming Nanodegree [↗](#)

01/2022 – 04/2022

(Udacity) - Python, Data Structures, Algorithms

Key project: Rock, Paper, Scissors in Python [↗](#)

IT Security: Defense against the digital dark arts [↗](#)

07/2021 – 10/2021

(Coursera) - Network security, authentication, encryption, threat mitigation

Certificate: coursera.org/verify/3MQYPPF9MG6CW [↗](#)

Skills

Programing Languages: JavaScript, TypeScript, PHP, Python, Dart, Bash

Frontend: React, Next.js, AngularJS, Redux, Material UI (MUI), Tailwind, HTML, SCSS, Bootstrap

Mobile: Flutter, React Native

Backend & APIs: Node.js, NestJS, Laravel, REST APIs, GraphQL, JWT/Auth, Apollo GraphQL, Prisma

Databases & Data: PostgreSQL, MySQL, SQL, Data Modeling & Optimization, Redis(cache/queues)

Realtime & Messaging: WebSockets, Redis Pub/Sub, Notifications

Cloud & Infrastructure: AWS (Lambda, EC2, S3, CloudFormation), Azure (Web Apps, DevOps, Storage, RBAC), Firebase, DigitalOcean, GoDaddy, Namecheap

Security & Compliance: IAM, RBAC, Encryption (KMS), Secrets Management, CI/CD Security, OWASP, Vulnerability Scanning (Snyk), Cloud Monitoring & Incident Response

Azure Services: Azure Web Apps, Azure Storage, Azure VMs, ARM Templates, Application Insights

CI/CD & DevOps: Git, Docker, Kubernetes, GitHub Actions, Azure DevOps, CircleCI, Travis CI

Payment Gateway: Stripe, PayPal, Flutterwave, Paystack

Testing & QA: Jest, PHPUnit, Cypress, Postman, Swagger (OpenAPI)

Architecture & Practices: Microservices, Serverless, REST/GraphQL APIs, Observability, Code Reviews, Testing Strategy, Accessibility, UX Collaboration, Mentoring, SDLC/Agile

Operational & Writing: Technical Support, Technical Writing (README, runbooks)

Project Management & Tools: Scrum, Jira, Trello, Miro, PRD Writing, Agile methodology, Requirements & Research, Risk & Time Management

Soft Skills: Empathy, Communication, Teamwork, problem-solving, Active listening, Critical thinking

Domains: Fintech/Payments, Healthtech, E-commerce, AR SaaS, Scientific Collaboration, Cryptocurrency