

Henry Emeka Obadoni, Senior Software Engineer

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LINKS	Linkedin , Portfolio	
PROFILE	<p>I am a senior digital technology leader with over eight years of experience designing, governing, and scaling production-grade platforms across regulated sectors, including healthcare, finance, education, and professional services. My work is defined not only by technical depth but also by the level of responsibility entrusted to me: platform ownership, architectural governance, risk-bearing decision-making, and long-term strategic direction.</p> <p>I specialise in cloud-native systems, applied artificial intelligence, and high-availability architectures, particularly in environments where security, reliability, and compliance are critical. I am frequently relied upon to resolve high-risk platform challenges, define system direction, and mentor engineering teams. My work has consistently delivered measurable improvements in system resilience, scalability, and business capability.</p>	
EMPLOYMENT HISTORY		
Nov 2024 — Present	Senior Software Engineer , Croner I	London, United Kingdom
	<p>I hold senior responsibility for platform stability, cloud infrastructure governance, and the strategic introduction of AI-driven capabilities within Croner-i's professional services platform.</p> <ul style="list-style-type: none">• Led a multidisciplinary engineering team responsible for production microservices running on AWS EKS, managing deployment workflows, service reliability, and platform resilience at scale.• Directed the automation of core infrastructure using Terraform, Ansible, and Packer, establishing standardised AMI pipelines to improve security, consistency, and compliance.• Designed and governed CI/CD systems using Jenkins and GitHub Actions, enabling safe, repeatable releases across multiple environments.• Led the introduction of generative AI infrastructure using AWS Bedrock, enabling intelligent search and content discovery for regulated professional workflows.• Defined security architecture across Cloudflare, AWS WAF, Nginx, and Varnish, ensuring high availability, attack mitigation, and traffic governance.• Established observability and resilience strategies using Prometheus, Grafana, Redis, SQS, and SNS.• Directed a major platform migration from Drupal to a modern microservices-based architecture.	
Sept 2023 — Nov 2024	Senior Software Engineer, Havas Lynx	Manchester, United Kingdom
	<p>I was responsible for designing and stabilising high-performance digital platforms supporting healthcare research and patient engagement workflows.</p> <ul style="list-style-type: none">• Led backend architecture for scalable Node.js systems, introducing performance optimisation strategies using advanced MongoDB features.• Designed event-driven, serverless architectures supporting real-time data flows via RabbitMQ, WebSockets, and MongoDB triggers.• Implemented enterprise-grade security patterns including OAuth2, JWT, and multi-factor authentication.• Conducted vulnerability testing and threat modelling using penetration-testing methodologies.• Mentored a team of engineers, led code quality initiatives, and institutionalised Test-Driven Development.	
Jan 2023 — Jun 2023	Senior Software Engineer (Consultant), Crust Africa	Abuja, Nigeria
	<ul style="list-style-type: none">• Directed backend architecture and enforced SOLID and DRY principles across production systems.• Designed scalable systems using Strategy, Factory, and Singleton patterns.• Led performance optimisation initiatives addressing memory leaks, latency, and database bottlenecks.• Implemented secure GraphQL access control using OWASP-aligned standards.• Introduced automated CI/CD pipelines and AWS deployments.• Mentored junior engineers and established code quality frameworks.	

- Architected microservices-based platforms using gRPC, Kafka, and event-driven patterns.
- Designed high-volume PostgreSQL workflows using ACID-compliant transactions, replication, and partitioning.
- Introduced real-time communication systems using WebSockets.
- Led infrastructure automation with Terraform and AWS services.
- Implemented static code analysis and CI/CD automation.

- Designed scalable backend platforms supporting ISP billing, customer management, and financial reconciliation.
- Built secure integrations with QuickBooks, Paystack, Splynx, and banking APIs.
- Implemented RADIUS-based authentication systems for network access control.
- Designed custom analytics layers that replaced manual reporting workflows and improved operational insight.
- Introduced security models using JWT, JWK, encryption, and digital signatures.

SKILLS

- Programming Languages:

JavaScript (ES6+), TypeScript, Python, Go, PHP

Backend: Node.js, Express.js, Nest.js, Fastify, GraphQL

Tools & Productivity: Git, Jira, Postman, Swagger, Emacs

Frontend: VueJS, ReactJS

Testing & Quality Assurance: Jest, Moq.ts, SonarQube, JMeter

Security & Authentication: OAuth2, JWT, Digital Signatures, Encryption
- Databases & Data: MongoDB, MySQL, PostgreSQL, Amazon DocumentDB, Redis, Databricks

Messaging & Communication: RabbitMQ, Kafka, WebSockets

Cloud Platforms & Services:- AWS & Google Cloud

DevOps & Infrastructure: Docker, Kubernetes, Terraform, Ansible, ArgoCD, Jenkins, GitLab CI, GitHub Actions, AWS CodePipeline, Linux

Architecture & System Design: Microservices, RESTful APIs, Serverless Architecture, Event-Driven Systems, Monolithic, Microkernel Architecture

Monitoring and Observability: Prometheus, Grafana, Fluent Bit, AWS CloudWatch