



Résumé

Engineering leader with 16+ years building software and the teams that ship it — now leading AI-driven development while completing a PhD in Information Technology.

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Agile AI Agents AI-Driven Development Apache Kafka AWS

Billing Systems C# CI/CD Cloud Code Review Concourse

DevOps Elasticsearch Engineering Management

Enterprise Applications ETL GCP GKE Java Kotlin

Kubernetes LLMs Microservices Operations RESTful API Scrum

Software Engineering Spark Spring Spring Boot

Support Engineering Team Leadership Telecom VAS

Walmart Cloud

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Work experience

Senior AI-Driven Development Engineering Lead • MiFi IT Sourcing

Jan 2026 – Present • Remote

- Lead a team of six engineers as a hands-on technical lead, delivering custom client software, internal products, IT-sourcing tooling, and the team's own AI-driven development platform.

- Embed AI coding agents directly into how the team designs, writes, reviews, and ships software — moving AI from autocomplete to a core part of the delivery workflow.
- Build agentic, multi-agent pipelines that automate larger stretches of the build, taking work from spec and requirements through to AI-generated, human-reviewed implementation.
- Stand up AI-assisted code review and test generation as standard quality gates, raising code quality while shortening the path to production.
- Drive real leverage — faster delivery, fewer defects, and more output per engineer — while upskilling the whole team on AI-driven development practices.
- Stay hands-on across the stack: AI agents and LLMs (Claude, Copilot, GPT, agent frameworks), Kotlin/Java/Spring services, cloud and CI/CD, and JS/TS where the product needs it.

Senior Engineering Lead • Plum Telecommunications

Sep 2022 – Jan 2026 • Los Angeles, CA

- Led multiple teams totaling 12 software engineers building an MVNO-as-a-service platform, mentoring and guiding engineers while driving down technical debt.
- Led the AWS-native, event-driven rewrite of the b2b platforms: subscriber management, user management, SIM management, order management, service management, and a Web API for batch processing.
- Designed and reviewed technical and architectural decisions, discovering and tackling tech debt in existing solutions.
- Built an abstraction-layer API for 3rd-party partners and cross-collaborated with other teams to solve complex problems.
- Owned the backlog and business requirements, led all Scrum ceremonies, and collaborated with SDLC and Product leads to improve processes and the product portfolio.
- Established high code-quality standards through pair programming and code reviews, and worked with Quality Engineers to improve testing solutions and processes.
- Led incident response to emergencies and service interruptions in collaboration with on-call engineers, while improving the performance of legacy solutions.

Engineering Manager • Riot Games

Jan 2022 – Aug 2022 · Los Angeles, CA

- Led a team of 12 engineers building a platform to streamline game-team processes; mentored, guided, and unblocked team members.
- Led architectural design, decision-making, functional decomposition, and technical design reviews following best software-engineering principles.
- Built a wrapper API service to simplify administering legacy applications.
- Built a documentation platform used by other teams across the company.
- Augmented the team through hiring; onboarded and managed 2 interns through a production launch during their 3-month internship.
- Cross-collaborated with other teams to solve complex problems and worked with the Product Lead to strengthen the product portfolio.
- Owned on-call and incident response for the platform, partnering with engineers to keep services reliable and meet quality and performance bars.
- Built an inclusive team culture, established trust with business users, ran customized 1:1s, and created personal-development plans for engineers.

Senior Software Engineer (Walmart) · Kitestring

Oct 2021 – Feb 2022 · Bentonville, AR

- Built multiple complex backend processes using Spring Boot, Kotlin, and Walmart Cloud.
- Developed a set of complex ETL processes for big data using Spark.
- Owned testing and debugging of the data loading execution flow.

Software Engineer II · Hy-Vee

Jun 2020 – Nov 2021 · Des Moines, IA

- Spearheaded revamping multiple backend processes and re-creating the internal supply-chain and invoicing APIs using Spring Boot, Kotlin, and GKE.
- Implemented cloud-native microservices DevOps processes (CI/CD, monitoring, and alerting).
- Co-architected and co-designed a new medical-prescriptions handling system.
- Co-developed and co-designed a re-write of the invoicing API.
- Co-developed warehouse valuation, deals processing, general ledger, sales movement, and suppliers' billing applications.

- Led sprint planning, standups, retros, and story-pointing discussions; participated in all agile ceremonies.
- Reviewed other engineers' pull requests and supported business operations by resolving daily support tickets.

IT Director • Almatar

Apr 2016 – Jun 2020 • Egypt (remote)

- Stood up the company's engineering function from scratch: hired all IT staff and led the team (up to 48) through the full lifecycle of the platform built in-house.
- Designed and architected the cloud environment and software using a microservices architecture and cloud-native technologies, co-designing the web application platform and DevOps process.
- Built RESTful microservices-based web applications with a Scrum team of 7, using pair programming, TDD, and DDD under DevOps best practices.
- Implemented AWS cloud-native microservices and DevOps processes (CI/CD, monitoring, alerting), and co-developed Docker files for all related microservices.
- Led the Elasticsearch implementation/integration and developed the backend of a Loyalty management system and payment-provider integration as RESTful APIs.
- Fixed the identity and access management module using Spring Security for the back-office application, and ran code reviews on other engineers' PRs.
- Chose the initial development stack with the SMEs and validated it through several POCs; involved in a big-data project to analyze historical user data.
- Built team culture and Personal Development Plans for all engineers, led agile ceremonies and team norms, and interviewed candidates for development, operations, and DevOps roles.

Enterprise Applications Operations' Support Consultant • Ooredoo Kuwait (via ITS Group)

Aug 2015 – Apr 2016 • Kuwait

- Consulted on enterprise-application operations and support for Ooredoo Kuwait, an international telecommunications operator.

- Hired and coordinated the support team and led major migrations of enterprise applications to new platforms, running UAT and requirements analysis.

Enterprise Applications Support Team Leader · Zain Bahrain (via ITS Group)

May 2013 – Aug 2015 · Manama, Bahrain

- Led the enterprise-applications support team for Zain Bahrain, an international telecom operator serving millions of subscribers.
- Coordinated daily operations and incident handling, and ran application migrations to new platforms with UAT and requirements analysis.

Applications Support Engineer · ITS Egypt (ITS Group)

Apr 2010 – May 2013 · Cairo, Egypt

- Supported value-added-services (VAS) and enterprise applications for telecom operators as part of ITS Group (later acquired by Huawei Egypt).
- Diagnosed and resolved production application issues, working directly with operator teams to keep critical telecom services running.

Billing Software Engineer · Xpress-Integrations

Nov 2009 – Apr 2010 · Cairo, Egypt

- Built billing and telecom-package-management software for telecom operators, implementing a Time-To-Market system for launching and managing new packages.

Skills

Languages

Kotlin

Java

C#

SQL

PL/SQL

JavaScript

Shell Scripting

Frameworks

Spring Boot

Spring MVC

Spring Security

Spring Cloud

Spring JPA

Hibernate

Spark

Bootstrap

jQuery

HTML5

CSS3

Tools



Education

BS, Electrical Engineering — 2007 · Alexandria University

MS, Computer Science — 2021 · MIU

**PhD, Information Technology — expected 2028 · University of
Cumberlands**

Research & writing

5G Deployment Strategies: Challenges and Opportunities — Africa and the USA —
World Journal of Advanced Research and Reviews (WJARR) 21(01), 2428–2439, 2024

Emerging 5G Technology: Implications for Communication and Security — World
Journal of Advanced Research and Reviews (WJARR) 21(01), 2474–2486, 2024

AI in Renewable Energy: Predictive Maintenance and Energy Optimization —
World Journal of Advanced Research and Reviews (WJARR) 21(01), 2487–2499, 2024

Comprehensive Review on Cybersecurity: Modern Threats and Advanced Defense
Strategies — Computer Science & IT Research Journal 5(2), 293–310, 2024

Cybersecurity Challenges in Smart Cities: African Metropolises — Computer Science
& IT Research Journal 5(2), 254–269, 2024

Review of Evolving Cloud Computing Paradigms — Computer Science & IT Research
Journal 5(2), 270–292, 2024

Affiliations: International Association of Engineers · Fellow, Nigerian Institution of
Professional Engineers and Scientists

In the press: The Guardian · Independent · Vanguard

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