

# SACKEY K. A. DAVID

Senior Angular Engineer | Full-Stack Architect

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[LinkedIn](#) | [GitHub](#) | [Portfolio/Bio](#)

## PROFESSIONAL SUMMARY

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AI-Enabled Senior Software Engineer with over 6 years of experience specializing in high-performance **Angular 18+** enterprise architecture and engineering automation. Expert in building real-time platforms using **Signals (Zoneless)**, **RxJS**, and **WebSockets**. Proven track record of improving Developer Experience (DX) and optimizing high-throughput data pipelines. Focused on delivering scalable, test-driven solutions for enterprise-level organizations.

## CORE COMPETENCIES

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- **Frontend:** Angular 18/19 (Signals, Hydration, Standalone, NgRx, SSR), React 18, TypeScript, Tailwind CSS 4, Angular Material.
- **Backend:** .NET 8/9, Node.js (NestJS), Express, RESTful APIs, ETL (Hangfire), Microservices.
- **Architecture & Security:** SAST/DAST, SonarQube, OIDC/OAuth2, Design Patterns (SOLID, Clean Architecture).
- **DevOps & Testing:** Vitest, Playwright, CI/CD (Azure Pipelines), Docker, Firebase, Git.

## PROFESSIONAL EXPERIENCE

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**Full-stack Software Engineer** | [Pilgrim Consulting Group](#) Jul 2022 – Present  
*Remote (Client Portfolio: [APL](#), [Benefits In A Card](#), [Manduu](#), [Boatbot](#))*

- **Enterprise Architecture:** Architected **Angular 18+** frontends for **5+ US-based clients**, implementing **Signals-based** state management that reduced initial load times by **30%**.
- **Engineering Automation:** Developed a **Cursor-based PR Audit system** using custom MCPs to automate architectural and security compliance, reducing code review cycles by **25%**.
- **Security & Quality:** Integrated **SonarQube** for automated **SAST** scanning and led a testing initiative using **Vitest** and **Playwright**, achieving **90%+** code coverage and reducing production regressions by **40%**.
- **Data Optimization:** Optimized high-throughput **ETL pipelines** via **.NET 8** and **Hangfire**, accelerating financial transaction processing for enterprise hierarchies.

**Angular Frontend Engineer** | [Insurerity Digital](#) Apr 2022 – Jul 2022  
*Project: [Afiewura Rent-Financing](#)*

- Developed a complex rent-financing dashboard using **Angular Material** and **Apollo GraphQL**, featuring real-time financial tracking that boosted user conversion rates by **15%**.
- Managed live state synchronization for **1,000+** concurrent users using **Firebase Real-time Database** and **Apollo GraphQL**.

**Senior Angular Developer** | [Global Integrated Technologies](#) Feb 2021 – Apr 2022  
*Project: [Events369 Ticketing](#)*

- Scaled a real-time ticketing platform by implementing **WebSocket-based** seat selection modules, reducing **UI latency** by **40%** during peak traffic.
- **Refactored a multi-step RSVP process** into a single-page reactive application, boosting **user engagement** by **60%**.

**Co-founder & Full Stack Engineer** | [West Primes](#) Jan 2018 – Jul 2020  
*Project: [10ondrives \(Online Bus Reservation\)](#)*

- Built a real-time bus reservation system using **Laravel** and **MySQL**, achieving a **2.3x** increase in booking volume and reducing passenger wait times by **40%**.

## TECHNICAL PROJECTS

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### Real-Time Delivery & AI Systems | Lead Engineer

- Developed a cross-platform delivery suite using **Ionic/Capacitor (1, 2, 3)** and **Google Maps API** for real-time **GPS tracking** and live inventory synchronization via **WebSockets**.
- Architected an **AI-driven** support ecosystem for vessel management, automating **40%** of routine inquiries via custom voice agent dashboards.

### Engineering Productivity Tooling | [Cursor MCP](#)

- Built a custom **Model Context Protocol (MCP)** integration for Slack to automate reporting and track commit/PR status across 15+ repositories.

### EDUCATION & DEVELOPMENT

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- **B.Sc. Computer Science** — University of Ghana | 2016 – 2020.
- **Professional Certificate in Full Stack Development** — [University of Texas at Austin](#) | 2025.

### CERTIFICATIONS

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[Micro1 Vetted Full Stack Engineer](#), [Google Mobile Web Specialist](#), [IBM Agile & Design Thinking](#).