Winston Chikazhe

Senior Full Stack Developer & AI Solutions Architect

How to reach me:

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Personal Profile

Senior Full Stack Developer with 7+ years of experience architecting scalable web applications, AI-driven solutions, and enterprise-grade systems. Led cross-functional teams delivering high-impact products for Myavana, Medtronic, and Zimbabwean education, including a WhatsApp chatbot serving 1500+ students. I thrive on solving real-world problems through innovative tech.

Additional Information

Languages: English (Native), Shona (Native), Basic French
Availability: Open to remote, hybrid, or relocation opportunities
Security Clearance: Available upon request for enterprise clients

Work Experience

Senior AI Solutions Architect | Myavana | Remote | March 2021 - Present

Beauty tech platform with 50K+ monthly active users

- Led AI transformation initiative developing conversational AI chatbot that increased user engagement by 65% and reduced customer service costs by $120K annually
- Architected microservices ecosystem using Node.js and AWS Lambda, handling 2M+ API requests daily with 99.9% uptime
- Implemented real-time recommendation engine using TensorFlow and collaborative filtering, improving conversion rates by 32%
- Mentored 4 junior developers and established code review processes, reducing bug reports by 45%
- Technologies: React Native, Node.js, AWS, TensorFlow, Dialogflow CX, PostgreSQL

Work Experience

Senior Full Stack Developer | Autoserve AI | Remote | May 2022 - Dec 2022

Automotive AI solutions serving 200+ dealerships

- Scaled chatbot infrastructure managing 150+ Dialogflow agents with automated deployment pipelines, reducing manual configuration time by 80%
- Developed enterprise-grade bulk management system enabling simultaneous updates across multiple chatbot instances, serving 50K+ monthly conversations
- Built comprehensive analytics dashboard using React and D3.js, providing actionable insights that improved response accuracy by 25%

- Implemented automated testing framework with Jest and Cypress, achieving 95% code coverage
- Technologies: React, Node.js, Dialogflow, MongoDB, Docker, AWS ECS

Part-time Developer | BlueVector AI | Remote | July 2021 - April 2022
Healthcare AI solutions for enterprise clients

Sole architect and developer for Medtronic Fitbit smartwatch application, building comprehensive health tracking platform with mood logging, hydration reminders, and vitamin management features

- Engineered complex wearable interface featuring activity rings, real-time biometric monitoring (heart rate, steps, calories), and haptic feedback system using Fitbit SDK
- Implemented advanced scheduling system for personalized health reminders with randomized timing and motivational messaging to improve user adherence
- Developed peer-to-peer data synchronization enabling seamless transfer of health metrics and user interactions between smartwatch and companion mobile app

- **Built healthcare chatbot for Michigan Records Department, processing 10K+ vital records requests monthly with 95% accuracy**

Education

Bachelor of Medicine and Surgery | University of Zimbabwe | 2014 - 2017 (Completed 3 years)

Focus: Healthcare technology integration and medical informatics

Key Projects & Achievements

- **ChatLearn - AI-Powered Educational Platform | 2016 - 2019**
Impactful EdTech solution for underserved communities

  - Engineered WhatsApp-based learning platform serving 1,500+ students in Zimbabwe, achieving 78% course completion rate
  - Optimized for low-bandwidth environments using message queuing and progressive content delivery
  - Implemented adaptive learning algorithms personalizing content delivery based on student performance
  - **Impact:** Improved math scores by 43% among participating students, featured in TechZim as innovative EdTech solution

- **Enterprise Healthcare Dashboard | Medtronic Partnership**
Built comprehensive Fitbit smartwatch application featuring activity tracking, mood logging, hydration reminders, and vitamin management

  - Implemented real-time biometric monitoring with heart rate sensors, body presence detection, and customizable health metrics visualization
  - Developed advanced scheduling algorithms for personalized wellness reminders with haptic feedback and motivational messaging
  - Created peer-to-peer data synchronization enabling seamless health data transfer between wearable and companion applications

Core Technical Competencies

- **Frontend & Mobile:** React 18, Next.js 14, TypeScript, React Native, Flutter, Tailwind CSS, Framer Motion

- **Backend & APIs:** Node.js, Python, GraphQL, REST APIs, Microservices, Serverless Functions

- **AI & Machine Learning:** Dialogflow CX, TensorFlow, OpenAI GPT, LangChain, Vector Databases

- **Cloud & DevOps:** AWS (Lambda, ECS, RDS), Google Cloud, Docker, Kubernetes, CI/CD, Terraform

- **Databases:** PostgreSQL, MongoDB, Redis, Elasticsearch, Supabase

- **Architecture:** Event-driven systems, CQRS, Domain-driven design, Clean Architecture