

Zack Bello

Software Engineer

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SUMMARY

I am a versatile, smart, and result-oriented software engineer, a creative and detailed individual with the capacity to develop an effective and efficient solution with no tolerance for errors. I have over 7 years working experience where technical skills are useful.

EXPERIENCE

Back-End Engineer

Medscroll.ai

07/2023 - Present

- Built and maintained high-performance backend systems with MongoDB powering medical learning platforms used by students and professionals
- Designed and deployed scalable GraphQL and REST APIs for real-time progress tracking, course delivery, and integration with external medical databases
- Implemented fault-tolerant monitoring, logging, and alerting pipelines to ensure high system availability
- Ensured engineering best practices with automated testing, peer reviews, CI/CD, and modern DevOps pipelines

Back-End Engineer

Lisbon Platform Ltd

11/2022 - 06/2023

- Architecting and deploying high-performance backend systems to streamline logistics operations and ensure reliable delivery services
- Design and maintain RESTful and event-driven APIs to support real-time shipment tracking, intelligent route optimization, and seamless integration with third-party platforms
- Develop scalable data models and storage strategies using MySQL and Postgres to support complex logistics workflows, from inventory and warehouse management to last-mile delivery
- Enhancing system reliability through advanced monitoring, logging, and fault-tolerant designs
- Implement robust CI/CD pipelines to enable rapid, safe deployments and maintain high development velocity across distributed teams

EDUCATION

Bachelor of Science in Computer Science

University of Abuja

02/2007 - 08/2012 Abuja, Nigeria

CERTIFICATION

Scrum Fundamentals Certified

Certificate ID: 874755

KEY ACHIEVEMENTS

AI & LLM Integration

Built AI-powered assistants, multimodal learning features, and RAG pipelines with OpenAI, Codex, Gemini, and ElevenLabs to deliver context-aware, natural interactions. Leveraged AI-driven workflows and tools such as Cursor AI, Gemini Code Assist, and Jules Agent to accelerate product delivery, improve response times, and boost user satisfaction.


Operational Efficiency

Engineered real-time tracking systems and optimized databases (MySQL, MongoDB) with scaling and tuning to cut support tickets by 25% and reduce costs by 20%. Integrated secure payment and compliance workflows (PCI, KYC), reducing fraud by 40% and modernizing fintech infrastructure. Enhanced monitoring and observability pipelines, which improved uptime and reduced incident resolution times during peak usage.

EXPERIENCE

Full Stack Engineer

Heckerbella Nigeria Limited

 09/2021 - 10/2022

- Developed scalable and high-performance backend services using NestJS and TypeScript, powering core hospital operations such as patient management, appointment scheduling, billing, and reporting
 - Built responsive and user-friendly frontend interfaces using React, ensuring a smooth user experience for doctors, staff, and administrators
 - Designed and maintained RESTful APIs to handle communication between frontend and backend, including patient data management, calendar scheduling, and treatment records
 - Implemented robust authentication and role-based authorization systems, securing sensitive patient and hospital data across the full stack
 - Integrated payment gateways and SMS APIs to support secure billing and real-time notifications
 - Managed MongoDB databases, designing schemas and optimizing queries for efficient access to critical medical data
 - Conducted end-to-end testing, debugging, and deployment of features to ensure high reliability in production
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Full Stack Engineer

BetPawa

 12/2020 - 11/2021

- Built and maintained full-stack systems powering real-time betting operations, including odds management, bet placement, payouts, and wallet transactions.
- Developed and secured RESTful APIs for account management, deposits, withdrawals, and transaction histories, ensuring seamless integration with mobile and web platforms.
- Designed and implemented responsive user interfaces using React Native (mobile) and Angular (web), delivering engaging and intuitive experiences to millions of users.
- Integrated payment gateways (e.g., UIP, Remita) to enable seamless deposits, withdrawals, recurring billing, and real-time transaction settlement.
- Implemented robust authentication, authorization, and anti-fraud mechanisms, ensuring platform security and compliance with gaming regulations.
- Collaborated cross-functionally with product and design teams to deliver end-to-end solutions, from backend architecture to polished frontend experiences.

SKILLS

[Automated Testing](#) [Python](#)
[FastAPI](#) [Django](#) [AWS](#) [Flask](#) [Google Cloud](#) [Docker](#) [Microservices](#) [End To End Testing](#) [JavaScript](#)
[Typescript](#) [React](#) [Nextjs](#) [Bootstrap](#) [Nodejs](#) [Nestjs](#) [Express](#) [GraphQL](#)
[MongoDB](#) [PostgreSQL](#) [Kubernetes](#) [CI/CD](#) [Jest](#) [Cursor AI](#) [OpenAI](#)
[Codex](#) [Code Agent](#) [Google Jules AI](#) [Code Agent](#) [Gemini 2.5 Pro](#)
[Terminal](#) [Gemini](#) [Code Assistant](#) [Agent](#) [GitHub](#) [Copilot](#) [Code Agent](#)
[Lovable AI](#) [V0](#) [Vercel AI](#) [Ethersjs](#)