

MICHAEL PHIRI

Product-minded Full Stack Engineer with 5+ years of experience building scalable, cloud-native applications. Expert in translating user needs into robust solutions, driving measurable value across the entire stack. Focused on maximizing system reliability and cost efficiency.

CONTACT

- Email: michael.phiri4002@gmail.com
- LinkedIn: [Michael Phiri](#)
- Portfolio: michael-phiri.vercel.app
- Github: [michael-codesjs](#)

SKILLS

Programming Languages: Javascript/Typescript, Python, Node.js

Frameworks: Express, NestJS, React, Next.js, FastAPI, Django

Databases & ORM: Postgres, MySQL, DynamoDB, Redis, Prisma, Sequelize, SQLAlchemy

Cloud & CI/CD: AWS, GCP, Vercel, Terraform, CDK, Docker, Kubernetes, Github Actions

AI Engineering: LLMs, Mastra, LangChain, Langfuse, Vector DBs

WORK EXPERIENCE

Backend Engineer - Sellfire (Remote, USA)

Full-time - June 2024 to Present

- Built and scaled backend microservices supporting key product features for a high-traffic sales enablement platform, improving reliability, performance, and uptime across distributed systems and global environments.
- Integrated LLM-powered features into real-time coaching and analytics applications, including script adherence scoring and dynamic performance insights.
- Developed a bidirectional data synchronization service between the core platform and HubSpot/Salesforce, utilizing CRM webhooks and custom field mapping.
- Led the migration of high-volume user call recordings from Twilio to a scalable AWS S3 architecture. This effort dramatically reduced storage costs by over 90% while significantly enhancing data accessibility and control.
- Contributed to SOC 2 compliance initiatives by automating critical security and access controls.
- Optimized CI/CD pipelines with GitHub Actions, reducing release time by 24% and deployment errors by 20%.

Backend Engineer - Rapptr Labs (Remote, USA)

Full-time - May 2023 to June 2024

- Primarily contributed to backend development for Sellfire while supporting projects for Realtor.com and Alterme.com, coordinating across 3+ time zones to deliver reliable client solutions.
- Collaborated with clients to troubleshoot issues and design scalable, high-performance data solutions, improving system reliability and workflow efficiency.
- Led the implementation of a standardized process for provisioning new infrastructure using Terraform and the Serverless Framework, ensuring resources were properly tagged for improved cost tracking and reporting.
- Built and maintained REST and GraphQL APIs serving 50k+ daily requests, ensuring consistent data flow and scalable backend architecture.
- Monitored and optimized AWS serverless deployments primarily supporting integrations, leveraging CloudWatch metrics and X-Ray traces to improve performance and reliability, reducing average execution time by 18%.

Software Engineer - Riaparts (Hybrid, Zambia)

Full-time - February 2020 to May 2023

- Led end-to-end feature development for core web and mobile marketplace functionality, including high-volume order processing and user management workflows.
- Architected and implemented highly scalable cloud infrastructure to maximize system efficiency, improve long-term maintainability, and ensure service reliability.
- Developed real-time data synchronization services using modern API architectures (including GraphQL) to provide users with immediate, accurate information.
- Optimized complex backend workflows and database queries to boost platform reliability and maintain high performance during peak traffic periods.