

MERCY ADEBAYO

FULL STACK ENGINEER

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Versatile and results-driven Full Stack Developer with experience designing and delivering end-to-end web applications in complex, cloud-based enterprise environments. Adept in modern frontend and backend frameworks, microservices architecture, and cloud-native deployments. Strong expertise in Java, React.js, Node.js, and Spring Boot, with proven delivery of scalable, secure, and performant systems. Passionate about innovation, collaboration, and AI-driven development.

TECHNICAL SKILLS

- **Frontend:** React.js, Angular, JavaScript, TypeScript, HTML5, CSS3, Material UI, Microfrontend Architecture
- **Backend:** Node.js, Java, Spring Boot, Express, Python (Django, Flask), FastAPI, C#, Go, REST APIs, GraphQL
- **Cloud & DevOps:** Azure, AWS (EC2, Lambda, S3, SNS, SQS), Docker, Kubernetes, GitHub Actions, CI/CD
- **AI/ML:** LLM Integration (OpenAI), TensorFlow, PyTorch, NLP, Agentic AI Systems, OCR, RAG Pipelines
- **Database:** PostgreSQL, MongoDB, MySQL, Redis, SQL/NoSQL, PL/SQL, BigQuery, Snowflake
- **Tools:** Git, Postman, Swagger, Playwright, Figma, Power BI, Airflow
- **Practices:** Agile, TDD, DevOps, Observability, Unit Testing, Containerization, Performance Tuning

WORK EXPERIENCE

Software Engineer DataAnnotation	January 2024 – December 2024
<ul style="list-style-type: none">• Built and deployed LLM fine-tuning pipelines and RESTful APIs with Python, Node.js, and C# for AI-enhanced automation workflows.• Implemented RAG and agent-based systems for content summarization and chatbot intelligence using OpenAI APIs.• Deployed scalable FastAPI services on AWS using Docker and Lambda with integrated CI/CD pipelines.• Collaborated across remote engineering teams using GitHub and Agile practices to support rapid iteration.	
Full Stack Developer Freelance	May 2023 – Present
<ul style="list-style-type: none">• Developed cloud-native dashboards for small business operations using React, Spring Boot, and Azure.• Built internal tooling to support real-time analytics with event-driven architecture and Kafka.• Engineered full-stack LLM-enabled apps with OCR and ETL pipelines for document classification and AI search.• Integrated GitHub, Docker, Kubernetes, and monitoring tools to support production-grade deployments.• Modernized client applications by integrating AI features like summarization, smart search, and chatbot interfaces.• Migrated monolithic legacy apps to microservices with enhanced observability and security controls.• Delivered scalable API integrations to connect frontend modules with AI inference endpoints.	
Full Stack Engineer Binasoftware IT Solutions	December 2021 – November 2022
<ul style="list-style-type: none">• Designed and implemented microservices using Spring Boot and Node.js to power financial web applications.• Developed responsive UIs using React.js and Material UI, driving 30% improvement in user engagement.• Integrated RESTful and GraphQL APIs for frontend/backend communication and deployed via CI/CD pipelines.• Managed MySQL and MongoDB data models, improving query performance and scalability.	

EDUCATION

Advanced Diploma in Software Engineering Technology Centennial College	May 2023 – December 2024
Bachelor of Science Honours in Computer Science with specialization in Cybersecurity University of Johannesburg	February 2022 – December 2022
Bachelor of Science in Computing University of South Africa	February 2018 – December 2020