

Emmanuel ADEBAYO

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Profile: A driven, fast-learning, and resilient senior software engineer with team leadership experience spanning financial services, healthcare and transportation industry verticals.

Skills:

Languages: NodeJS, Typescript, Javascript, Go, Rust, Python, PHP

Frameworks: ExpressJS, NestJS, Django, Laravel

Architecture: Microservices, Event-driven architecture, Domain Driven Design

Database: SQL(Mysql, PostgreSQL), NoSQL (MongoDB, DynamoDB)

Blockchain: Web3.js, Smart Contract

Version Control: Github, Gitlab, Bitbucket

CI/CD: Git Ops Workflow,

Cloud Service: AWS (Lambda, EC2, Route53, S3, SES, SQS, Amplify, ECR, ECS, EBS, RDS,EKS), Google Cloud, Redis, Heroku, Digital Ocean

Testing: Jest, Chai, Mocha

Messaging Systems: RabbitMQ, NATS, Kafka, gPRC, PubSub

Monitoring and Logging : Grafana, Datadog, Sentry, ELK Stack (Elastic Search, Kibana, Logstash)

Infrastructure as Code (IaC): Ansible, Terraform

Agile Methodology: Scrum, Kanban

Containerization and Orchestration: Docker, Kubernetes

Experience

Wano (March 2023 to date) - *Sector; Financial Services; Software Engineer*

- Led the end-to-end design and implementation of a revolutionary distributed financial services platform built on Whatsapp, seamlessly integrating with banks to facilitate money transfers.
- Spearheaded the incorporation of cutting-edge Machine Learning Models to empower B2B interactions, optimising core business functionalities through AI-driven triggers.
- Orchestrated the deployment infrastructure using GitOps workflows on AWS, employing an auto scaling approach for enhanced efficiency. Established the groundwork for a robust and scalable system, employing Microservices architecture to build the infrastructure.
- Managed a dynamic engineering team, providing leadership and direction to ensure

the successful execution of the project. Additionally, authored comprehensive technical documentation tailored to B2B users, ensuring seamless onboarding and understanding of the platform

- Spearheaded a process re-engineering project, streamlining communication across departments, cutting down processes by 75% and enhancing overall operational efficiency.

Codility (May 2023 to date) - Software Engineer | Task Creator Collaborator

- Designed and developed challenging algorithms assessments to evaluate the coding proficiency of global software development candidates.
- Collaborated with cross-functional teams globally, significantly reducing the hiring process by 70% for multiple tech companies.
- Conducted rigorous code reviews, ensuring adherence to coding standards. Improving maintainability and optimised performance, achieving a 30% reduction in bug reports and a 40% increase in code efficiency.

Cova (December 2022 to March 2023) - Software Engineer | Contract

- Contributed significantly to the successful transition of the software from Java Spring Boot to NestJS, seamlessly integrating with AWS S3 and other AWS tools, with migrations of the core infrastructure to GCP Cloud.
- Implemented advanced record synchronisation methods, significantly elevating financial data accuracy and integrity by 60%. This enhancement provided customers with increased visibility into financial records, facilitating better spending management.

Pluralsight (September 2022 to December 2022) Software Engineer

- Led the migrations of the Paths topic on Kafka to a new event topic system, optimising data replication efficiency.
- Additionally played a pivotal role in steering the evolution and maintenance of the Path, Channel and Skill IQ services, by increasing customer usability by 70%.

Binance(Bundle Team) December 2021 to August 2022 - *Sector; Cryptocurrency Exchange and Blockchain, Software Engineer*

- Pioneered the implementation of future trading service for the bundle product revolutionising the capability to power future trading for customers to increase revenue by 15%.
- Contributed significantly to security initiatives by writing the MFA service implementing other security measures.
- Innovated and implemented the Cashlink payment disbursement algorithm optimising financing processes for increased efficiency by 65% processing over \$5 million weekly.

OurPass (August 2020 - October 2021) - *Sector; Financial Services; Software Engineer*

- Managed the team in a multifaceted development, overseeing the development of OurPass Checkout. This involved intricate integrations with diverse payment providers, ensuring seamless and user-friendly payment experience for customers.
- Orchestrated a comprehensive migration of the infrastructure, which involved a shift to a microservices architecture, leveraging gRPC for efficient communication and integrating Redis for enhanced data management also with RabbitMQ for event sourcing by optimising system performance , scalability and overall operational efficiency

Petra (September 2019 - June 2020) *Sector; Financial Services - Software Engineer*

- Led the design and implementation of a robust cryptocurrency payment gateway, architecting a sleek CI/CD pipeline for lightning-fast and seamless deployment to AWS EKS using a GitOps workflow, which aimed to enhance the overall efficiency and reliability of the payment processing system.
- In parallel, revolutionised the B2C product by implementing game-changing features, including stock trading, multi-currency saving and credit card issuing, this enriched the product functionality and increased customer engagement by 40%.
- Tackled performance challenges head-on by implementing a dynamic webhook message management system, achieving an impressive 5x reduction in service response time through the strategic application of caching techniques using Redis.
- Crafted developer SDKs in multiple languages, by empowering end user business integrations by 80% and increasing business revenue.

AS Technologies (June 2018 - September 2018) - Software Engineer Intern

- Developed dynamic web application using React and proficiently utilised Redux for state management. Additionally, demonstrated versatility by working with VueJS.
- Implemented web applications tailored for clients using WordPress with the aim of building reusable applications.

Education

Middlesex University

MSc, Robotics.

Bowen University

B.Sc Computer Science.

London, United Kingdom

(September 2022 - October 2023)

(September 2017 - July 2021)