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Olusegun A. Akintayo

Profile

Dynamic AI Engineer with a proven track record at Generalize, specializing in integrating LLMs and RAG pipelines into production applications. Expert in Java, Python, React and Node.js, I excel in API development and cloud solutions, driving innovation in AI and blockchain technologies. Strong problem-solving skills enhance my ability to deliver high-quality results.

Role

Data Visualisation Specialist

Skills

- AI and blockchain technologies
- Node.js and JavaScript
- React.js development
- Java (Spring Boot, J2EE)
- Smart contracts and Solidity
- Google Cloud Platform expertise
- Linux administration
- Docker and CI/CD practices
- Database management
- API development
- Frontend development

Experience

AI ENGINEER 01/2024 – Current

Generalize, Remote

Integrated LLMs, RAG pipelines, and AI agents into production-grade applications.

Worked on data visualisations, converting complex data to easy to interpret charts and graphs.

Collaborated with frontend teams utilizing React (TypeScript, JavaScript) to enhance AI user experience.

Developed APIs for seamless integration of third-party AI services into applications.

Utilized vector databases (Pinecone, Weaviate) to improve LLM performance with contextual data.

Deployed solutions on AWS and Azure while performing system tuning and code reviews.

Led development of AI-driven platforms such as https://ultra.computer and https://papers.chat.

FULLSTACK SOFTWARE ENGINEER 08/2021 – 01/2024

Consensys (Metamask), Remote

Engineered new features and enhancements for MetaMask wallet using React and Node.js.

Developed and tested smart contracts with Solidity and Truffle frameworks.

Contributed to DApp integrations, conducted thorough code reviews, and addressed bugs.

Designed blockchain technologies tailored for various industry applications.

FULLSTACK BLOCKCHAIN ENGINEER 01/2021 – 07/2021

Featured (Binance), Remote

Maintained NFT marketplace smart contracts and frontend in Next.js.

Implemented Solidity-based contracts for varied NFT use cases.

Worked cross-functionally to deliver high-quality, decentralized applications.

SOFTWARE DEVELOPER 01/2010 – 12/2021

Axon Wireless, Lagos

Developed SIM registration systems for telecoms using Java (Spring Boot), Android, and Angular.

Built backend APIs and frontend interfaces, and optimized system performance.

Designed database structures to store data securely and efficiently.

Maintained source control repositories such as Git, SVN, TFS for versioning purposes.

Conferred with project managers and other stakeholders to fully understand software design specifications and plan optimal development approaches.

Devised automation, backup and recovery protocols to preserve and safeguard data.

Worked closely with systems analysts, engineers and programmers to understand limitations, develop capabilities and resolve software problems.

Education

B.Sc., Computer Science, 01/2021

Atlantic International University, Hawaii

Websites, Portfolios, Profiles

https://www.linkedin.com/in/segunakintayo

https://github.com/segun

Certification

Exploring C Programming Language, 01/26, https://www.coursera.org/account/accomplishments/verify/LI73HVGC3RA5

Matrix Algebra, Determinants, & Eigenvectors, 01/26, https://www.coursera.org/account/accomplishments/verify/7JDT39U57J0A

Linear Systems and Matrix Equations, 11/25, https://www.coursera.org/account/accomplishments/verify/R6XLUWPOFCMD

Introduction to Front-End Development, 09/22, https://www.coursera.org/account/accomplishments/verify/HZFPSQMWUDZF

Programming with JavaScript, 10/22, https://www.coursera.org/account/accomplishments/certificate/3RK7P8CDN27B

Data Science Methodology, 05/19, https://www.coursera.org/account/accomplishments/verify/293HWPMPQ3N7

Technical Support Fundamentals, 04/18, https://www.coursera.org/account/accomplishments/verify/TRE9UPWJZ7M4

IT Security, 09/18, https://www.coursera.org/account/accomplishments/verify/99Q5FW6WAVMZ

System Administration and IT Infrastructure Services, 07/18, https://www.coursera.org/account/accomplishments/verify/PNXVK8Y7SUQ8

Operating Systems and You, 06/18, https://www.coursera.org/account/accomplishments/verify/9FY8Y6M52NLU

References

Available on Request

Side Projects

Anthropic's Model Context Protocol discovery server: https://github.com/segun/mcp-server-function-hub

Ringer: (Java/Typescript/Nodejs/React): https://github.com/segun/RingerProject

MP3 tag parser, in Erlang: https://github.com/segun/erlp3tags

Logger library, in Erlang: https://github.com/segun/erlog

Betting smart contracts: https://github.com/defi-grotto/grotto-contracts