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SUMMARY

AWS Certified Solutions Architect Associate with foundational skills in cloud architecture and programming. Familiar with core AWS services like EC2, S3, and Lambda, and experienced in setting up basic infrastructure for small-scale applications. Skilled in fundamental programming concepts and comfortable with frontend as well as backend development, and API integrations. Eager to expand my knowledge in cloud computing and development practices, and motivated to contribute to team projects with a focus on efficiency, security, and scalability.

PROFESSIONAL EXPERIENCE

Software Enginner, iCog Labs

Jan 2024 - Present

- Collaborated with startup companies to design and deploy scalable, customized web services tailored to specific business needs.
- Integrated unique databases such as Neo4j for graph-based data, Pinecone for vector storage, and implemented retrieval-augmented generation (RAG) strategies to enhance search and recommendation functionalities.
- Applied prompt engineering techniques to optimize natural language responses and enrich user interactions in applications.
- Provided training and mentorship for interns on current projects, facilitating their understanding of best practices in software development, code-base navigation, and project-specific technologies, thereby fostering a collaborative learning environment and enhancing team productivity.
- Developed client-server interactions for efficient data flow and responsive application experiences, focusing on secure and reliable API design.
- Designed and implemented a full web application from concept to deployment, including UI/UX design, backend setup, and frontend integration, ensuring seamless end-to-end functionality.
- Improved backend performance by implementing caching strategies, query optimization.
- Applied best practices in backend development, such as modular code structure, comprehensive API documentation, and thorough testing.
- Collaborated in agile development teams, participating in code reviews, sprint planning, and troubleshooting sessions to meet project milestones.

SKILLS

Programming Languages

Python, Javascript , C++, Java

Databases

MySQL, MongoDB, Neo4j, Pinecone

Operating Systems

Linux, WIndows, Virtualizations (VirtualBox, Hyper-V)

EDUCATION & CERTIFICATIONS

AWS: Certified Solutions Architect – Associate	October 31, 2024
B.Sc. in Software Engineering	June 27, 2024
AWS: Certified Cloud Practitioner	November 17, 2023
Software Design and Architecture Specialization on Coursera	September 27, 2023
Advanced Learning Algorithms	August 10, 2023
Block chain basics	July 31, 2023
Deep Learning Specialization on Coursera	June 30 , 2023
Mathematics for Machine Learning Specialization on Coursera	June 28 , 2023

LANGUAGES

English – Fluent
Amharic – Native
Arabic – Conversational