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Anas Medhat Khafagy

Software Engineer

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SUMMARY

Results-driven Software Engineer with 5+ years of experience specializing in backend development using Node.js/NestJS and scalable microservices architecture. Proven expertise in AWS, PostgreSQL, MongoDB, and event-driven systems using Kafka and gRPC. Adept at collaborating with cross-functional teams and delivering robust, maintainable code. Seeking to contribute to high-impact, user-focused products in a fast-paced tech environment.

TECHNICAL EXPERIENCE

Software Engineer

Generation C - Shift Inc

Apr 2024 — current

hybrid, Egypt

- Designed and implemented optimized, scalable backend solutions by identifying performance bottlenecks in APIs and slow functions, reducing average latency by 45% and improving user conversion rates.
- Enhanced code quality and reliability by introducing automated testing practices, increasing code coverage and reducing release cycle time by 30%.
- Collaborated effectively with cross-functional teams to ensure efficient delivery of features and maintain high engineering standards across services.
- Established structured documentation practices that improved onboarding speed and boosted long-term maintainability and team knowledge sharing.

Software Engineer

Kenzz

Apr 2023 — Mar 2024

hybrid, Egypt

- Managed Multiple Seller Centers: Implemented features to manage multiple seller centers and synchronized operations with external CRM Odoo to the internal database.
- Developed Scalable Solutions: Utilized AWS services like Lambda, SQS, and RDS to handle high-volume user demands.
- Supported Frontend Projects: Contributed to React and React Native projects to enhance the user experience.

Software Engineer

Aroua SPD

Feb 2022 — Mar 2023

Remote, Saudi Arabia

- Developed 5+ scalable Node.js microservices for early-stage startups, reduced in developing solutions tailored for startup companies worldwide.
- Focused on Scalability and Cloud Architecture: Enhanced scalability and cloud infrastructure to support company growth.
- Implemented New Features: Added features aimed at improving system performance and user experience.
- Collaborated with Cross-Functional Teams: Worked closely with teams to ensure successful project delivery and optimized outcomes.

Backend Developer

Logic Designs

Mar 2020 — Jun 2022

Nasr-City, Cairo

- Built Database Structures and RESTful APIs: Focused on backend development for low-scale applications such as e-commerce and portfolio websites.
- Enhanced User Experience and Functionality: Collaborated with cross-functional teams to improve web and mobile applications.
- Implemented Efficient Backend Solutions: Developed backend features that aligned with business needs, contributing to overall company success.

SKILLS

Software Design

Domain Driven Design / Software Architecture / Design Patterns / SOLID Principles

Languages

Typescript / Javascript / PHP

Database Systems

PostgreSQL / MongoDB / MySQL

Core Computer Science

Algorithms and Data Structure / Design Patterns / OS (Basics) / Networking (Basics)

Backend Development

NodeJs, NestJs / Laravel / WebSockets / Kafka / RPC / RESTful APIs / Microservices

Frontend Development

React.js / NextJS / ReactNative / HTML / CSS / bootstrap

Tools

Git / Regex / VIM / Postman / Linux OS / TDD / Docker / Kubernetes / AWS / CI/CD pipelines

EDUCATION

- Bachelor of Science: Computer Science**, Faculty of Science, Al-Azhar University

2016–2021

SELECTED COURSES AND CERTIFICATION

- React Development Cross-Skilling Nanodegree from Udacity
- Algorithmic Toolbox from Coursera
- CS50 (Introduction to Computer Science from Harvard University via edX)

ACHIEVEMENTS

- Fourteenth place in Al-Azhar University Collegiate Programming Contest in AAST

November 17, 2020