Ahmed Abd El Hameed Abd El Gawad

Software Engineer

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Summary

ALX Graduate Software Engineer with expertise in the MERN Stack and database management. Proficient in JavaScript, TypeScript, and backend development, with hands-on experience in building and deploying full-stack applications. Skilled in API development and cloud deployment. Strong problem-solving abilities with a focus on collaboration and continuous learning. Enthusiastic about delivering high-quality, scalable software solutions and open to opportunities that allow for growth and innovation in the tech industry.

Skills

Technical Skills:

MERN Stack (MongoDB, Express.js, React.js, Node.js), SQL Databases (PostgreSQL, SQLite, MySQL), NoSQL Databases (MongoDB), JavaScript (including ES6+), Version Control (Git, GitHub), Authentication and Authorization (JWT, OAuth2)

Software Development:

Data Structures and Algorithms, API Development, Unit Testing and Test-Driven Development, Application Deployment.

Interpersonal Skills:

Team Collaboration, Problem Solving, Adaptability, Communication (excellent verbal and written skills in English).

Additional Skills: Project Management (Agile methodologies, JIRA, Trello), Basic UI/UX Design Principles.

Experience

07/2024 - 08/2024
VibeMK Project – *Fullstack Software Engineer*

- Developed VibeMK using the MERN stack (MongoDB, Express, React, Node.js) to build a scalable platform for group-based video sharing, solving the issue of chat clutter in messaging apps.
- Implemented responsive and dynamic GroupPage components, utilizing Zustand for efficient state management, ensuring a seamless experience across both mobile and desktop devices.
- Integrated framer-motion and lucide-react to create a visually appealing and interactive user interface, enhancing user engagement and overall platform usability.
- Designed and implemented user-friendly features like URL input handling and group management options to improve group interactions and streamline the video-sharing process.

05/2024 - 06/2024

Portfolio Project – *Fullstack Software Engineer*

- Created a personal portfolio using Next.js and ShadCN to showcase projects, incorporating modern design principles and responsive layouts for an engaging user experience.
- Implemented dynamic content management with Next.js to display project details, technologies used, and personal achievements, enhancing the visibility of skills and work.
- Integrated ShadCN for UI components to ensure a consistent and visually appealing design across the portfolio, optimizing performance and user interaction.

05/2024 - 06/2024

ChatMK Project – *Fullstack Software Engineer*

- Developed and deployed a chat application using the PERN stack (PostgreSQL, Express.js, React, Node.js) independently, ensuring smooth real-time communication and data management.
- Designed and implemented RESTful APIs and WebSocket connections for real-time messaging and user interactions.
- Utilized best practices in DevOps for deployment, including setting up CI/CD pipelines to streamline updates and maintain high code quality.

01/2024 - 04/2024

Ijar Project – *Fullstack Software Engineer*

- Collaborated with a team for 3 months to develop a cutting-edge car rental application using the MERN stack (MongoDB, Express.js, React.js, Node.js). I was responsible for creating key parts of the API, ensuring robust and efficient data handling and communication between the front-end and back-end.
- Managed all DevOps tasks, including setting up and maintaining CI/CD pipelines using Git and GitHub, and configuring test and deployment servers. This ensured smooth and automated testing, integration, and deployment processes.

- Contributed to the front-end development by designing and implementing responsive and reusable components using React.js, enhancing the user interface. Also utilized my knowledge of JavaScript (including ES6+), ensuring a seamless and user-friendly experience.

09/2023 - 10/2023

Lyft Online Job Simulation at Forage– *Software Engineer*

- Completed an online job simulation for Lyft at Forage, where I utilized my knowledge to redesign the project architecture, enhancing its scalability and maintainability.
- Refactored the codebase to align with the new project design, improving code readability, performance, and adherence to best practices.

07/2023 - 08/2023

J.P Morgan Online Job Simulation at Forage – *Software Engineer*

- Successfully completed the online job simulation for J.P. Morgan at Forage, demonstrating expertise in identifying and resolving bugs in the data feed, ensuring data accuracy and integrity.
- Leveraged J.P. Morgan's open-source library, Perspective, to implement solutions for accurately displaying the fixed data. This involved utilizing advanced data visualization techniques to present information effectively.

06/2022 - 02/2024

Saudisoft – *Localization Engineer*

- Proficiently prepared files for utilization by project managers and translators, ensuring documents were formatted and organized for efficient workflow.
- Demonstrated scripting expertise by writing customized scripts and macros to automate repetitive tasks, streamlining team processes and enhancing productivity.
- Implemented automation solutions to optimize task efficiency, enabling the team to focus on higher-value activities and reducing manual workload.

Education

02/2023 - 04/2024

Holberton School With ALX Scholarship Program

Completed a 14-month software engineering program, focusing on full-stack development and system design. Gained hands-on experience with JavaScript and Python through team projects.

010/2013 - 09/2020

Higher Future Institute For Specialized Technological Studies

Earned a Bachelor's in Accounting, focusing on financial management and analysis.