Kassa S.
Full Stack Developer

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https://kas-websolutions.dev

Summary

- Aspiring Full-Stack Developer with expertise in Java, JavaScript, React JS, HTML5, CSS3, and SQL.
- Passionate about optimizing application performance, ensuring usability, and implementing robust security measures.
- Strong problem-solving and debugging abilities, coupled with experience in agile development and proficiency with cloud databases.
- Committed to delivering high-quality solutions through effective collaboration and communication.
- Excels in modern UI development using React and similar frameworks.
- Eager to contribute and grow in a junior-level full-stack developer role.

Tech Stack

- Programming Languages: JavaScript, Java, C#
- Web Technologies: HTML, XML, CSS
- Libraries and Frameworks: Node.js, React JS, Express.js
- Database Skills: SQL, MongoDB
- Cloud Technologies: AWS
- Miscellaneous: Docker, CI/CD

Professional Experience

State of Utah, Remote   Full Stack Developer   02/02/2022 - Current

- Researched, assessed, and resolved data loss issues in an offline survey data collection. Built an internal PWA utilizing IndexDB and Service Workers, enabling seamless offline data integration. Successfully released the app in beta mode, ensuring reliable offline functionality with data recovery.
- Addressed resource-intensive report generation by implementing a cron job during low-traffic periods, resulting in enhanced overall system performance and improved resource efficiency.
- Collaborated in rebuilding an older Java application, employing modern frameworks such as React, JavaScript, Node.js, GraphQL, PostgreSQL, and more. Resulted in enhanced performance, improved UI, and increased user satisfaction.

Personal projects

Top-10 Movies   https://top10ns.online   01/19/ 2021
- Problem: To learn full-stack web development and organize movie preferences.
- Action: Developed a top-10 movies website using JavaScript, React, CSS, Bootstrap, Netlify serverless, and PostgreSQL. Implemented user account creation, movie saving/removal, and integrated YouTube API for trailers.

- Result: Achieved a functional website enabling users to manage movie preferences and watch trailers, demonstrating full-stack development skills. Potential for expansion into a business site with sharing features.

Full-stack-for-free   https://blog.kas-websolutions.dev   01/11/2021
- Problem: Faced challenges experimenting with full-stack apps while learning.
- Action: Created a user authentication system using Netlify and free-tier ElephantSQL with PostgreSQL for secure password storage. Designed the UI using React-Bootstrap, and utilized Netlify serverless for the API.
- Result: Successfully built a functional full-stack project, overcoming the initial learning hurdles, and gaining practical experience in user authentication and front-end/back-end development using cost-effective resources.

QuickNotes chrome extension   12/19/2020
- Problem: Needed a solution to manage daily tasks and notes effectively.
- Action: Developed a Chrome extension using vanilla JavaScript and CSS to create a quick notes and task scheduling tool.
- Result: Successfully designed and published a functional Chrome extension, providing an efficient way to track tasks and notes, enhancing personal productivity and organization.

Education

BSc   University of Gondar

Statistical Data Modeling with Python and R   University of Antwerp
(1-year program)