

Abdifatah Osman

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Nairobi, Kenya

Summary

Resourceful and innovative Full-Stack Web Developer with over 4 years of hands-on experience in a diverse range of programming environments. Demonstrates a strong aptitude for learning and mastering new technologies, evidenced by a portfolio of groundbreaking projects. Excels in developing high-performance web applications and services, with a particular emphasis on both front-end and back-end technologies. Passionately committed to leading open-source projects that deliver uncompromised value to users.

Professional Experience

Full Stack Web Developer

GreyEdge Technologies • Nairobi, Kenya

07/2020 - 10/2023

- Played a pivotal role in the complete overhaul of greyedge.org, using a stack comprising React, Node.js, MongoDB, and GraphQL, which substantially enhanced site functionality and user engagement.
 - Successfully integrated advanced satellite and drone management tools, contributing to a 30% increase in operational efficiency.
 - Drove an impressive 40% increase in web traffic by implementing user-centric design principles, SEO optimization, and responsive web design strategies.
 - Championed agile development methodologies, working closely with cross-functional teams to ensure the strategic and cohesive development of web functionalities.
 - Consistently focused on security and performance enhancements, integrating the latest technological advancements to maintain the site's competitive edge.
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Key Projects

[Personal Portfolio](#)

- Developed and designed a sophisticated personal portfolio using React and Next.js, showcasing a wide array of projects and encapsulating my journey and growth as a Full-Stack Developer.
- Integrated a dynamic blog within the portfolio, providing insights into my professional experiences and technical expertise, thereby fostering community engagement and thought leadership.
- Open-sourced the project, encouraging community collaboration and contributions, and demonstrating a commitment to the ethos of shared learning and development in the software community.

[ObsidianGitSync](#)

- Engineered a cutting-edge C++ based background daemon service for Linux, addressing a significant gap in syncing Obsidian notes to Git repositories on Android devices.
- Actively working towards expanding its functionality to Android through Kotlin and JNI integration, thereby enhancing its cross-platform utility and user base.
- The project has been lauded in the open-source community, underscoring my ability to identify, conceptualize, and solve complex, niche technical challenges.

[FirePass](#) (In Development)

- Spearheading the development of FirePass, a browser extension with a self-hostable backend, utilizing an advanced stack of React, Plasmio, GraphQL, Node.js, TypeORM, and PostgreSQL.
 - This innovative project is aimed at redefining password and browser session management, emphasizing user-friendly design and stringent security protocols to ensure user data protection.
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Technical Skills

- **Languages:** Proficient in JavaScript, TypeScript, GoLang, Dart, C++, Kotlin.
 - **Frameworks/Libraries:** Extensive experience with React, Node.js, GraphQL, Flutter, Apollo, Next.js, Plasmio, TypeORM.
 - **Databases:** Skilled in MongoDB, PostgreSQL, with a focus on efficient data management and security.
 - **Tools:** Proficient in Git, Docker, Webpack, Jest, adept at leveraging these tools for efficient software development and deployment.
 - **Web Design:** Expertise in Responsive Design, Material UI, Bootstrap, focusing on creating intuitive and engaging user interfaces.
 - **System Administration:** Experienced in Linux Servers, Kubernetes, Microservices, ensuring robust and scalable infrastructure management.
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Education

Self-Taught Programmer

4 Years of Hands-on Experience in Software Development

Languages

- English (Fluent)
 - Kiswahili (Fluent).
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Career Focus

Actively seeking opportunities to contribute remotely, leveraging extensive experience in full-stack development and a strong passion for open-source projects.