

Desmond Moonga

FULL STACK DEVELOPER

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Professional Summary

Accomplished Full Stack Developer with over four years of hands-on experience in designing, developing, and deploying scalable web and mobile applications. Proficient in JavaScript and TypeScript, with expertise in React.js, React Native, Node.js, and Express. Demonstrated ability to create robust RESTful APIs and manage both SQL and NoSQL databases. Adept at utilizing cloud platforms including AWS, Azure, and Google Cloud for efficient and secure application development. Proven track record of collaborating with cross-functional teams to deliver high-quality projects on time. Strong problem-solving skills with a focus on optimizing performance and enhancing user experience. Passionate about continuous learning and keeping up-to-date with the latest industry trends and technologies.

Experience

Tech Innovators Inc. | Full Stack Developer (Remote)

June 2022 – December 2023

- Developed a comprehensive e-commerce platform using JavaScript, leveraging React.js with TypeScript for a robust front-end experience.
- Created a complementary mobile application using React Native and Expo, providing seamless cross-platform functionality.
- Transformed detailed Figma designs into a responsive, dynamic UI, employing advanced JavaScript libraries and frameworks for optimal performance.
- Ensured secure and scalable solutions by utilizing AWS services such as S3 for storage, Lambda for serverless functions, and DynamoDB for NoSQL database management.
- Collaborated closely with product managers and UX designers to gather requirements, resulting in the delivery of high-quality features under tight deadlines.
- Conducted code reviews, offering valuable feedback that enhanced overall code quality and adherence to best practices.
- Implemented secure user authentication and authorization mechanisms with AWS Cognito, safeguarding sensitive user information and actions.
- Enhanced database performance through optimized SQL and NoSQL queries, significantly reducing application response times.
- Integrated third-party services, including payment gateways and shipment tracking APIs, to extend the platform's capabilities.
- Utilized Google Cloud's Firestore for real-time data synchronization, enhancing user engagement through immediate updates.
- Led A/B testing initiatives to assess user interactions and iteratively refine the UI/UX, driving up user satisfaction and retention rates.
- Troubleshooted and resolved complex bugs, ensuring high reliability and user satisfaction for the application.

Zuba Tech Solutions Ltd | Full Stack Developer (Hybrid)**June 2020 – May 2022**

- Spearheaded the development of an internal project management tool, using JavaScript with a React.js front-end and a Node.js/Express back-end.
- Built a companion mobile application using React Native, providing project managers with tools to track progress on the go.
- Translated wireframes and mock-ups from Figma into a fully functional user interface, ensuring consistency across web and mobile platforms.
- Leveraged Azure services, including Azure Functions and Cosmos DB, to create a scalable and reliable backend infrastructure.
- Coordinated with cross-functional teams, including designers and QA engineers, to gather requirements and ensure smooth project delivery.
- Performed comprehensive code reviews, fostering a culture of continuous improvement and adherence to industry standards.
- Established secure user authentication protocols using Azure AD B2C, ensuring robust access control.
- Fine-tuned database operations by optimizing SQL queries and NoSQL data models, improving application efficiency and speed.
- Integrated with various APIs, such as calendar and task management services, to enhance the functionality of the project management tool.
- Conducted user testing and feedback sessions, iterating on the design to enhance usability and productivity.
- Resolved technical challenges and user-reported issues promptly, maintaining high availability and reliability of the tool.

Innovatech Solutions Zambia | Full Stack Developer (On-Site) November 2019 – June 2020

- Contributed to the development of a cloud-based CRM system, utilizing JavaScript with React.js and Node.js/Express for full-stack development.
- Assisted in the creation of a mobile application using React Native, extending CRM capabilities to mobile users.
- Converted design prototypes from Figma into a fully functional UI, ensuring responsiveness and usability across devices.
- Employed Google Cloud Platform (GCP) services such as Cloud Functions and Firestore for a robust, serverless backend.
- Worked closely with senior developers and product owners to understand requirements and deliver features on time.
- Participated in code reviews, learning best practices and contributing to overall code quality improvements.
- Integrated user authentication and authorization using Firebase Authentication, ensuring secure user access.
- Enhanced database interactions with optimized SQL and NoSQL queries, improving data retrieval times.
- Assisted in integrating third-party APIs for additional functionalities such as email notifications and payment processing.
- Conducted initial rounds of user testing and gathered feedback, contributing to iterative improvements in the CRM system.
- Debugged and resolved application issues, ensuring a smooth user experience and high system reliability.

Education

Bachelor of Science in Information Technology | The Zambia Catholic University

2019

Skills & abilities

Programming Languages	JavaScript, TypeScript
Frontend Frameworks	React.js, React Native, Next.js, Vue.js
Backend Frameworks	Node.js, Nest.js, Express.js
Database Systems	SQL (MySQL, PostgreSQL, SQL Server, Oracle), NoSQL (MongoDB, Redis)
Version Control	Git
Cloud Platforms	AWS (Amazon Web Services), Azure, Google Cloud Platform (GCP), Heroku
Containerization	Docker, Kubernetes
API Development	RESTful APIs, GraphQL
Testing Frameworks	Jest
Microservices Architecture	Service discovery (e.g., Consul, Eureka), API Gateway (e.g., Kong, Netflix Zuul)
Frontend Markup/CSS	HTML5, CSS3, Sass/Less, Bootstrap, Tailwind CSS, Material-UI
Performance Optimization	Caching strategies, CDN (Content Delivery Network), Lazy loading, Code splitting
IDEs/Editors	Visual Studio Code, IntelliJ IDEA