DENIS DOUGLAS MAINA MBUTHIA

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Summary

Frontend Developer with a strong track record in building responsive, high-performance web applications using React.js, Next.js, and Tailwind CSS. Experienced in state management with Redux and Context API, seamless API integration, and performance optimization, all while ensuring UI/UX excellence. Passionate about crafting accessible and engaging digital experiences. Additionally, I bring expertise in AI driven coding assistance and data annotation, contributing to the enhancement of AI models for advanced development workflows.

Skills

- Proficient in HTML5, CSS3, JavaScript
- Front-End Frameworks: React.js, Next.js
- State Management: Redux Toolkit, Context API
- Performance Optimization: Lazy Loading, Code Splitting
- APIs and Integration: RESTful APIs, GraphQL
- Version Control: Git, GitHub
- Testing: Jest, React Testing Library
- UI/UX Design Principles
- Cross-browser compatibility

Experience

AI Tutor & Coding Domain Expert | **04/2024 to Current**
Appen CrowdGen, Translated, Mindrift AI   **Nairobi**
- Assessed AI-generated code solutions, improving accuracy, readability, and usability.
- Enhanced AI model performance by refining responses in English and Swahili.
- Collaborated with teams to maintain quality standards in AI-driven coding assistance.

Frontend Developer   **01/2020 to Current**
Freelance   **Nairobi, Kenya**
- Designed and built modern, responsive UIs using React.js and Next.js.
- Implemented state management using Redux Toolkit for dynamic applications.
- Optimized performance with lazy loading, image optimization, and efficient component rendering.
- Integrated REST APIs to connect the frontend with backend services.
- Ensured cross-browser compatibility and mobile responsiveness.

QIR Auditor L10   **03/2016 to 12/2020**
Remotasks   **Nairobi**
- Reviewed and ensured high-quality AI annotation tasks, including image, video, and LiDAR annotations.
- Maintained adherence to strict guidelines for data training and AI model refinement.
- Provided detailed feedback to taskers to improve the accuracy and efficiency of annotation work.
- Assisted in the development and refinement of annotation guidelines to enhance overall project quality.

System Administrator & IT Support   **02/2013 to 03/2016**
Tenta Supermarket   **Nairobi**
- Managed and maintained point-of-sale (POS) systems, ensuring smooth transaction processing.
- Provided technical support to employees, troubleshooting hardware and software issues.
- Installed, configured, and updated operating systems and software on store computers and servers.
- Ensured cybersecurity compliance, updating antivirus software and managing user access controls.
- Managed inventory tracking systems, ensuring accuracy in stock levels and price updates.
- Coordinated with software vendors for updates and troubleshooting POS or ERP systems.

Bachelor of Science: **Computer Science**   **12/2012**
Egerton University   Nakuru, Kenya

Projects

E-Commerce Platform (Link)
- Developed a full-stack e-commerce application, enabling users to browse products, add items to the cart, and securely check out.
- Technologies: Next.js, Tailwind CSS, MongoDB, and Paypal API.
- Key features: responsive design, secure payment integration, user authentication

Tours and Safari (Link)
- Designed and developed Dembu Safari, a web application for exploring tourist destinations in Kenya for safari experiences.
- Technologies: Next.js, Tailwind CSS, Appwrite Cloud services.
- Key Features: Dynamic search filters, Multi-user authentication, Admin dashboard, and user reviews.

Movies App (Link)
- Developed a movie discovery application that displays popular movies and a personalized trending section based on user search preferences.
- Technologies: React.js, Appwrite, TMDB API, Tailwind CSS.
- Key Features: Trending movie recommendations using a custom algorithm, search history tracking, dynamic UI updates.

Web Portfolio (Link)
- Created a personal portfolio website to showcase skills, projects, and professional experience.
- Technologies: React.js, Tailwind CSS, Framer Motion.
- Key Features: Interactive project showcase, responsive design, smooth animations, and contact form integration.

Real Estate Web App (Link)
- Developed a full-stack real estate platform for advertising properties for sale and rentals.
- Technologies: React.js, Node.js, Express.js, MongoDB, Tailwind CSS.
- Key Features: Property listings with search filters, user authentication, image gallery, and contact forms.

ChatBOT(Link)
- Created a web-based chat application that supports real-time messaging between users.
- Technologies: Next.js, Pusher API, Tailwind CSS, MongoDB.
- Key Features: Instant messaging, responsive UI, multi-room chat support.

Blogging Platform
- Developed and maintained a multi-user blogging platform, allowing users to create, edit, and share blog posts.
- Technologies: Django, PostgreSQL, Bootstrap.
- Key features: rich text editor, user registration, commenting system.

Task Management Tool
- Built a task management application to help users organize and prioritize tasks.
- Technologies: Next.js, Tailwind CSS, Firebase.
- Key Features: Real-time sync, user authentication, drag-and-drop task organization.

Travel Planner
- Developed a travel planning application that generates personalized itineraries based on user preferences.
- Technologies: React.js, Gemmini API, Tailwind CSS, Firebase.
- Key Features: AI-powered itinerary generation, budget-based recommendations, interactive map integration.

Leaning Management System (LMS) with CourseEra API
- Built a learning management system that integrates with the Coursera API to fetch and display courses based on various categories.
- Technologies: Next.js, Coursera API, Tailwind CSS, JSON
- Key Features: Course filtering by category, real-time course updates, user progress tracking.

Payroll System
- Developed a payroll management system with multi-user authentication, automated salary calculations, and PDF reporting.
- Technologies: Electron.js, React.js, TypeScript, Express.js, Sequelize, MySQL, Nodemailer.
- Key Features: Multi-user authentication, email integration for payslips, automated payroll processing, PDF report generation.

Hobbies

- Exploring UI/UX design principles and trends.
- Building interactive and engaging web projects.
- Learning and experimenting with new frontend frameworks.
- Watching AI and tech documentaries to stay updated on industry advancements.
- Exploring the intersection of AI and web development.

References

Alexander Mwangi Kimani,
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Intersoft Technologies Consulting Ltd

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