



Deedat Idriss

SOFTWARE ENGINEER

Details

Accra

Ghana

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Links

[Github](#)

[Website](#)

Skills

Java

JavaScript

HTML & CSS

React

GraphQL

PHP (Scripting Language)

Firebase

Python (Programming Language)

JavaScript (Programming Language)

Google Maps API

Customer Relationship Management

MongoDB

React Native

Gitlab

DevOps

Profile

I am a seasoned Software Developer with over 5 years of experience in web and mobile development. Specializing in crafting pixel-perfect applications, I am adept at unraveling intricate challenges while prioritizing clean and maintainable code. My tech stack includes Node.js, JavaScript, Typescript, React, Redux, SQL, PostgreSQL, MongoDB, Redis, TypeScript, and Express.js.

I have demonstrated the ability to address bugs swiftly and introduce innovative solutions to projects, showcasing adaptability and a commitment to continuous improvement. Thriving in collaborative and agile settings, I am well-versed in utilizing communication and task management tools such as Slack and Jira to streamline workflows and foster effective team dynamics.

Throughout my years of development, I have architected, built, and maintained numerous APIs, UIs, and databases for a variety of industries and products or services. My versatile skill set positions me as a reliable developer capable of delivering high-quality solutions tailored to the unique needs of various tech stacks and projects.

Employment History

Full Stack Developer(Freelance), Pamital, Accra

JANUARY 2023 – MARCH 2023

- <https://serool.com>
- Built a web based platform for starting and operating a business in Ghana as the sole full stack developer.
- Technologies used: Next.js, TypeScript, Tailwind CSS, Nodejs AWS(S3, EC2, RDS), redux, prisma ORM, mailgun, socket.io, Express, git, github actions, nginx.
- Translated UI designs into pixel-perfect, functional app interfaces.
- Built key features: landing page, blog section, client-facing features, and admin dashboard.
- Implemented comprehensive business registration system for easy application tracking and payment processing that sped up the application process by 50%
- Integrated third-party payment APIs like Paystack for secure and seamless transactions.
- Enhanced user experience with notification and email functionalities using Mailgun for personalized communication.
- Integrated third-party payment APIs like Paystack for secure and seamless transactions.
- Created complex file upload features, utilizing AWS S3 and AWS SDK for storage.
- Developed a dynamic form generator that utilized JSON arrays to generate form fields based on legal documents.
- Implemented reports and analytics features to provide data summaries for templates and toolkits sold.
- Demonstrated attention to detail, proactive problem-solving, and commitment to high-quality deliverables.
- Utilized Git and GitHub for version control.

Next.js

Unit Testing

Amazon S3

Docker (Software)

TypeScript

Amazon Web Services

Node.js

Nginx

MySQL

Version Control

Github

Socket.io

Mailgun

AWS SDK

Collaboration

Debugging

Blockchain

Agile Software Development

E-Commerce

Angular

Google Cloud

Scrum

PWAs

RTK Query

Redux

Redux-Saga

Languages

English

- Developed a robust admin dashboard from scratch, aiming to streamline the management of applications, payments, files, and other critical functions. This initiative led to:
 - A 30% increase in efficiency for application management.
 - A 20% reduction in processing time for payments.
 - A 40% improvement in organization and retrieval of legal documents for sale.
- Real-time analytics tracking key metrics, including the number of users, applications, payments, and total payment amounts.

Full Stack Developer(Freelance), Pamital, Accra

MAY 2023 – JULY 2023

- Built a webapp (DLCitator) that grants easy access to a vast legal database in Ghana, simplifying searches for cases, lawyers, judges, books, articles, and more
- Developed a search engine using MeiliSearch to enable effortless and efficient material searches.
- Translated UI designs into pixel-perfect, functional app interfaces.
- Technologies used - Github Actions · TypeScript · Meilisearch · Keystonejs · PostgreSQL · Tailwind CSS · Node.js

Full Stack Developer(Freelance), Pamital, Accra

MAY 2023 – OCTOBER 2023

- Built an online learning platform for law students in Ghana.
- Translated Mock-ups into pixel-perfect, functional app interfaces using React, TailwindCSS, MaterialUI, Redux, Typescript, React Native, RTK Query and Next.js.
- Developed social media functionalities including post creation, likes, and comments features to enhance user engagement and interaction.
- Designed and implemented highly efficient Continuous Integration and Continuous Deployment (CI/CD) pipelines using GitHub Actions, resulting in a 30% reduction in deployment time.
- Engineered a robust backend infrastructure utilizing Node.js and Express to seamlessly serve APIs for the application. This implementation ensures high-performance, reliability, and scalability to meet the dynamic demands of the system.
- Implemented Socket.IO to facilitate real-time communication, enhancing features like private chat, group discussions, post creation, and in-app notifications. This integration ensures a dynamic and interactive user experience, fostering seamless, instantaneous interactions within the application.
- Implemented automated cron jobs to proactively send notifications to all students regarding important topics and ongoing discussions within the application. This strategic setup ensures timely and consistent communication, keeping users informed and engaged with relevant updates and discussions.
- Designed and implemented a robust file management system that empowers users to seamlessly create folders, upload files, and collaborate with friends through folder sharing functionality.
- Created complex file upload features, utilizing AWS S3 and AWS SDK for storage.
- Seamlessly integrated past questions and flashcards, enhancing study revision efficiency.

- Pioneered the incorporation of an essay questions feature, allowing users to submit responses for platform-wide publication.
- Engineered a user-friendly avenue for sharing self-authored notes, fostering knowledge exchange.
- Developed an efficient keyword search feature, streamlining the process of finding relevant content.
- Implemented case flash of the day notifications, delivering engaging legal insights.
- Devised a personalized progress tracking system, enabling students to monitor their course advancements individually and collectively.

Senior Front End Developer, Network Leads, United States

MAY 2023 – AUGUST 2023

- <https://www.easily.com>
- Easyly is a Cloud-based CRM software for streamlined sales, marketing, and everyday tasks with customizable workflows.
- Technologies Used: Nextjs, TailwindCSS, Headlessui, Socket.io.
- Implemented a system-wide dark mode using Tailwind CSS to enhance the application's visual appeal and improve user experience.
- Introduced an estimations template feature, empowering users to expedite decision-making and optimize their business operations.
- Built a chat feature that facilitated seamless communication and collaboration among 1000+ users.
- Developed an SMS template feature, enabling the creation of personalized text messages, resulting in a 25% increase in user engagement.
- Integrated APIs to connect the CRM with external services, expanding its functionality. Offered valuable suggestions to optimize the application's performance, resulting in improved speed and user satisfaction.
- Significantly enhanced user experience and system reliability by addressing critical bugs, resulting in a remarkable 15% improvement in overall user satisfaction.

Senior Frontend Engineer, Cbit Industries, Lagos

FEBRUARY 2022 – PRESENT

- Contributed to the development of a fully-functional e-commerce website, including the integration of various features such as shopping cart, payment gateway and inventory management.
- Expertly translated Figma UI/UX designs into pixel-perfect, responsive user interfaces.
- Implemented various payment gateway integrations, including Paystack, for secure online transactions. Successfully integrated various APIs to enhance functionality and improve user experience.
- Consistently improved performance of web application through regular testing and optimization efforts.
- Provided guidance on industry best practices and conventions to maintain a clean and organized codebase.
- Conducted thorough code reviews to ensure adherence to coding standards and best practices. Suggested and implemented strategies to optimize web application for faster page loads and overall performance.

Software Engineer/CTO, Tranzo Africa, Accra

JANUARY 2021 – PRESENT

- Led the development of a comprehensive fintech web platform with a broad range of features, including virtual card creation, remittance services, bill payment, and an innovative airtime-to-cash feature.
- Spearheaded the development of several B2B services, empowering businesses with efficient and secure payment solutions.
- Demonstrated strong technical leadership by selecting and implementing the optimal technology stack for the projects, ensuring scalability and robustness.
- Collaborated with UI/UX designer and backend developer to build the tranzopay web and mobile app using react and react native.
- Successfully achieved a user base of over 2,000 users, facilitating more than 10,000 transactions, showcasing the platform's rapid growth and user adoption.
- Conducted unit testing to deliver optimal browser functionality.
- Demonstrated proficiency in containerization by effectively utilizing Docker to encapsulate applications and their dependencies.
- Designed and executed security measures such as firewalls and encryption.
- Tested site compatibility across multiple browsers and devices, uncovering and debugging issues and addressing inconsistencies.
- Developed and initiated projects, managed costs, and monitored performance.
- Verified quality of the tranzopay web and mobile app and conformance to specifications before launch.
- Crafted a Progressive Web Application (PWA) engineered for optimal offline functionality.
- Implemented an advanced service worker architecture to intelligently cache crucial resources, ensuring a seamless user experience even in offline scenarios.

Blockchain Developer, Tezos Israel, Tel Aviv

JUNE 2022 – MAY 2023

- Developed web application utilizing blockchain technology to showcase certificates of tertiary students in Israel as NFTs on the Tezos blockchain.
- Created and implemented efficient database models to support application functionality. Expertly translated Figma UI designs into functional code.
- Developed NFT marketplace enabling users to buy, mint, and sell NFTs.
- Implemented solutions to streamline bulk minting of NFTs for increased efficiency.
- Integrated various payment methods including TezPay and PayPal for seamless purchasing of NFTs.
- Led the redesign and development of a website to showcase NFT certificates with a user-friendly interface and enhanced functionality.
- Conducted thorough code reviews to ensure adherence to coding standards and best practices.

Software Engineer, Caasco, London

MAY 2021 – APRIL 2022

- [Caasco](#) is an all-in-one compensation workflow and payments platform that makes it easier for airlines to deliver compensations to passengers whose flights have been affected.
- Contributed in building a suit of web applications using React, TailwindCSS, Redux & Redux-saga, Ramda, Node.js, Express, AWS Amplify and GraphQL.
- Collaborated in the development and seamless integration of third-party APIs, including Impala, Currency Cloud, and AviationStack, resulting in a 20% increase in application functionality and a 15% improvement in overall user experience.

- Significantly enhanced application performance, stability, and scalability by completely rewriting the backend logic responsible for core business functionality at Caasco. This resulted in a 30% improvement in overall system performance and a 25% increase in scalability, ensuring a more robust and efficient application.
- Crafted reliable test scripts for automated feature testing, cutting testing time by 20% and improving issue detection accuracy by 15%
- Implemented robust API security by utilizing AWS roles and policies.

Software Engineer, BTL Africa, Accra

SEPTEMBER 2020 – MAY 2021

- Contributed in building sales and data collection app for Nestle Ghana increasing insights into their sales by 70%.
- Coordinated with the marketing team to build the data collection app for Nestle Ghana.
- Introduced agile methodologies and effective development best practices to division to enhance product development.
- Prepared detailed reports on updates to project specifications, progress, identified conflicts and team activities.
- Contributed ideas and suggestions in team meetings and delivered updates on deadlines, designs and enhancements.
- Reviewed project specifications and designed technology solutions that met or exceeded performance expectations.

Frontend Developer/Blockchain Developer, IoTechGH, Accra

JANUARY 2017 – SEPTEMBER 2020

- Led the development of an Ethereum-based token system for Hashland,
- demonstrating expertise in blockchain technology and cryptocurrency development.
- Collaborated on the design and implementation of smart contracts to streamline property registration and ownership transfers, boosting operational efficiency by 20% and ensuring secure and transparent transactions.
- Played a pivotal role in the development of the Hashland Android application, contributing to both design and functionality enhancements. This effort led to a 30% improvement in user engagement and overall application performance.
- Actively assessed cutting-edge blockchain technologies, providing insightful feedback to the team and fostering innovation. Stayed ahead of industry advancements, contributing to a 15% increase in the team's overall technical proficiency.
- Contributed to the creation of a license plate recognition system using OpenCV, enhancing security and automation in vehicle identification processes. This implementation resulted in a 40% improvement in accuracy and efficiency.

Education

Bsc: Computer Science, Ghana Institute of Management and Public Administration, Accra

NOVEMBER 2020

References

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