LEON NJOROGE

Full Stack Software Engineer

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Technical Skills

Languages: Python (5+ yrs), JavaScript (5+ yrs), HTML/CSS (5+ yrs), SQL (4+ yrs), PostgreSQL (3+ yrs), TypeScript (3+ yrs), Bash (3+ yrs)

Developer Tools: VS Code, Jira, Trello, Google Cloud Platform, Emacs, Docker, Kubernetes, Git, GitHub, GitLab

Technologies/ Frameworks: Django, Flask, React, Express.js, Node.js, WordPress, Redis, GraphQL, REST APIs

Databases: MongoDB, OracleDB, PostgreSQL

Cloud/ DevOps: Firebase, CI/CD, Jenkins, Nginx, Kubernetes, Docker

Experience

Swap Space — November 2024 – Present
Back End Engineer — *Remote*
- Developed scalable server-side applications with Node.js, focusing on high-performance RESTful API design, database optimization, and secure data handling to support seamless frontend integration and efficient data management.
- Collaborated with cross-functional teams, conducting code reviews and implementing back end best practices to enhance application reliability, maintainability, and security.

Full Stack Engineer — September 2020 – Present
Freelance Software Engineer — *Remote*
- Engineered end-to-end web solutions for clients across diverse sectors, including hospitality, international corporations, and e-commerce, leveraging modern technologies like React, Django, Next JS, and WordPress with adherence to software engineering best practices such as SOLID principles and DRY methodology.
- Designed and implemented both front-end and back-end components, ensuring seamless integration of APIs, robust database structures, and dynamic, interactive user interfaces that applied responsive design principles and optimized client workflows and enhanced user experience.

MaxBounty — June 2020 – August 2022
Digital Marketing Specialist — *Remote*
- Leveraged digital marketing strategies including SEO, PPC, and social media marketing to drive high-quality traffic to targeted offers and analyzed campaign performance using data analytics tools, optimizing campaigns to increase conversion.
- Collaborated with product vendors and the Max Bounty team to identify and promote top-performing offers and managed generating consistent sales through content marketing, landing page optimization, and email marketing.

E-Writer Solutions — March 2019 – April 2020
Writer — *Remote*
- Created high-quality, original written content for a diverse range of clients, with a focus on eBooks and articles published on platforms like Amazon and other large eBook publishing platforms.
- Developed content across multiple genres and topics, including technical guides, fiction, non-fiction, and instructional materials.

Professional Certifications

AWS - Solution Architect Job Simulation programme (Forage) — November 2024
Solution Architect - Architecture Diagram, AWS Pricing, Technical Communication — *Remote*
- Designed and simple and scalable hosting architecture based on Elastic Beanstalk for a client experiencing significant growth and slow response times.
- Described my proposed architecture in plain language ensuring my client understood how it works and how costs will be calculated for it.

Ford Motors - Job Simulation programme (Forage) — November 2024
Back End Engineer - Python, Docker, Redis, Flask — *Remote*
- Completed a job simulation that involved building containers for one of Ford's backend development teams.
- Developed a backend to stream engine temperature sensor readings from cars to mobile phones.
- Connected a Flask server to a Redis instance using Docker Compose.

Skyscanner - Job Simulation programme (Forage) — November 2024
Front End Engineer - React, Javascript, Bagpack — *Remote*
- Completed a job simulation where I built a web application using React as a front-end engineer at Skyscanner.
- Developed a page for picking a travel date using Skyscanner's open-source Backpack React library.
- Customised my application and ran automated tests to ensure it rendered properly.

Projects

School Management App | *HTML, CSS, Python, Flask, Oracle DB*   **September 2024**
- Designed and developed a comprehensive web-based school management system using Python and Flask, providing features for managing students, exams, grades, retrieve student data, generate reports, and track academic performance.
- Built a robust back-end with Oracle Database to store and manage student data, exam results, and school information, ensuring data integrity and scalability.

Evernai Properties App | HTML, CSS, React, Node js, Express js, Mongo DB   **June 2024**
- Developed a full-stack app for booking stays, with a responsive React front end and a scalable Node.js/Express backend.
- Integrated MongoDB for managing property listings, user profiles, and booking transactions securely and efficiently.
- Implemented essential features such as booking management, user authentication, and property search filters to optimize the user experience and streamline the booking process.

Netwas International Web App | HTML, CSS, JavaScript, Bootstrap   **Jan 2024**
- Developed a responsive, user-friendly website using HTML, CSS, JavaScript, and Bootstrap to enhance accessibility and modernize the user interface.
- Ensured cross-browser compatibility and mobile responsiveness, adapting the website to various devices and screen sizes for optimal usability.

Masai Game Resort Web App | HTML, CSS, JavaScript, WordPress   **October 2023**
- Developed a comprehensive hotel booking website for Masai Game Resort which implemented a user-friendly interface using HTML, CSS, and JavaScript, enhancing user experience and ensuring responsive design across various devices.
- Integrated SQL databases for efficient management of bookings, customer information, and resort amenities, ensuring data integrity and accessibility.
- Collaborated with the client to gather requirements and provide ongoing support, resulting in a tailored solution that effectively showcased the resort's offerings and improved online visibility.

Education

Holberton School - ALX
Certificate of Software Engineering   *Remote*

University of Nairobi
Bachelor of Science in Computer Science   *Nairobi*

Institute of Software Technologies
Certificate in Python Development   *Nairobi*

Google Africa Developer Scholarship program - Andela
Certificate in Software Development   *Remote*

Relevant Coursework

- Data Structures
- Software Methodology
- Algorithms Analysis
- Database Management
- Web Development
- Internet Technology
- DevOps
- Full Stack Engineering