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SOFTWARE Engineer

HTML5/CSS3/JavaScript/React/Node.js/Express.js/MongoDB/Mongoose/SQL/Python

Results-driven Front End Engineer with passion in Fullstack web development. Proficient in HTML5, CSS3, JavaScript, React, and NodeJs. Proven track record of creating high-quality applications and collaborating effectively in cross-functional teams. Adept at troubleshooting and problem-solving, with excellent communication skills to convey technical concepts to non-technical stakeholders.

PROFESSIONAL EXPERIENCE

TechMpigo (Software Solutions Company)

- **Frontend Engineer**

June 2023 - Now

- **Achievements:**

- TechMpigo is a community of software engineers, who are passionate about technology and sharing their knowledge. We help each other to learn new technologies by creating projects that can be used as learning material.
 - Enabled successful project distribution for major clients.

- **Job:**

- Spearheaded the development and ongoing maintenance of robust web and mobile applications, ensuring their reliability and performance.
 - Leveraged Python extensively to elevate code quality, enforce type safety, and bolster overall developer efficiency, contributing to codebase excellence.
 - Skillfully employed GraphQL to optimize data fetching and mutations, thus enhancing application performance significantly.
 - Demonstrated proficiency in Expo and EAS to streamline the development, build, and deployment processes, resulting in greater project efficiency.
 - Collaborated closely with cross-functional teams to meticulously define project requirements, co-design innovative features, and continuously enhance applications in alignment with business goals.
 - Actively participated in code reviews, providing constructive feedback and guidance to team members, thereby fostering a culture of excellence and driving improvements in code quality.

- **Skills:** Frontend web Development, React, HTML5, CSS3, GraphQL, Expo and EAS, Problem-Solving, Communication, Node.JS, AWS, Microservices, Docker, Next.JS, Material UI.

ALX Bootcamp

- **Software Engineer**

May 2022. – April 2023.

- **Achievements:**

- Wrote, tested, and refined code, collaborating with programmers for project success.
 - Researched, designed, and developed new software programs and computer operating systems.
 - Evaluated and enhanced existing programs by identifying areas for modification.
 - Integrated disparate software products and resolved compatibility issues between platforms.
 - Created technical specifications to guide development and implementation processes.
 - Developed systems to manage job scheduling and user access software system maintenance and performance.
 - Investigated and recommended the adoption of new technologies to enhance software capabilities.

- o **Job:**
 - Developed web applications using React and Node.js
 - Tracked user engagement and interaction, analyzing data to inform improvements.
 - Integrated APIs, configured servers, and managed databases for seamless functionality.
 - Implemented database functionalities, including data storage, creation, manipulation, and deletion.
 - Ensured cross-platform compatibility and resolved issues during testing and production phases.
 - Devised strategies for continuous enhancement, performance optimization, stability, and scalability.
 - Provided insights for ongoing improvements and adaption of functionality based on requirements
- o **Skills:** *Programming Languages: JavaScript, React.js, HTML5, CSS3, Node.js, Express.js, Jest, MongoDB, Git, Github, RESTful API Development, Software Development Life Cycle (SDLC), Problem Solving and Algorithm Design, Team Collaboration and Communication.*

Solar Panda Limited (Part-time)

September 2022 - Present.

• Customer Care Support

- o Solar Panda Limited is a company that provides lighting solutions to rural and urban centers in Kenya. Employed in the Customer care support department, providing ideas on designing products to marketing.
- o Responding to customer enquiries through inbound and outbound calls, and live chat in a timely and professional manner.
- o Assisted customers with product information, technical support, and order processing.
- o Building and maintaining strong relationships with customers, resulting in increased customer retention and satisfaction rates, hence company growth.

- o **Skills:** *Teamwork, Marketing,Effective Communication,Customer Care ,branding, Product Design.*

TECHNOLOGIES

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| <ul style="list-style-type: none"> • Programming languages (JavaScript, Python). • Web programming (React, Angular, HTML/CSS, JavaScript/jQuery). • Object technologies: Design Patterns, OOP. • Development tools (IntelliJ IDEA, Visual Studio Code). | <ul style="list-style-type: none"> • Other tools/technologies (OpenAI, Docker, Kubernetes, AWS). • Databases (MySQL, PostgreSQL, MongoDB). • Source control (Git). • Software (Github, Jira, Confluence) • Material UI, Bootstrap • Software Methodologies (Agile, Scrum,hashnode). |
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PROJECTS

Notable Project Highlights:

- Led software architecture, design, testing, and implementation for TechMpigo (Software Solutions Company)
 - Demonstrated leadership as Team Lead for the development team.
 - Successfully addressed technical challenges and ensured seamless integration.
 - Utilized technologies including JavaScript, TypeScript, React, GraphQL, Node.js, and Nest.js.
- Played a pivotal role in the software architecture, design, testing, and implementation of GRise Systems solutions tailored for service delivery to customers.
 - Applied a diverse tech stack including React, RESTful APIs,Node.js, Express.js, MySQL, and Firebase

In these projects, I focused on showcasing effective leadership, technical prowess, and ability to navigate challenges to deliver impactful solutions.

EDUCATION

• B.Sc. in Actuarial Science,

2017 - 2021.

Department of Mathematics and Actuarial Science of the Graduate School of Sciences and at Catholic University of Eastern Africa(magna cum laude)

Relevant Coursework:

- Calculus.
- Linear Algebra.

- Discrete Mathematics.
- Probability and Statistics.
- Data Structures and Algorithms.
- Programming Languages.
- Database Systems.
- Operating Systems.
- Software Engineering

- **Illasit Secondary School**

2013 - 2017.

Kenya Certificate of Secondary Education (K.C.S.E) : B+

Certifications: Enterprise System Management (Intermediate) Certificate, Problem Solving, R programming, C language programming.

OTHER SECTIONS

Personal Skills:

- Team leadership, sound ability to handle multiple tasks, set priorities, and meet deadlines.
- An avid learner who adapts quickly, keen to build upon existing skills and gain new ones.
- Very keen on little details to bring out the best outcomes in projects.
- Strong communication skills, work well with teams and under minimal supervision.
- Very Social, easily blend in with people in different social environments.
- Leadership and collaboration skills, project management, and punctual communication.

References:

Available upon request.