**Preliminary Online Interview Test for Senior / Experienced Tech Talents**

*Last Updated: 1st November 2022 - Time Allowed: 24 hours*

**Section 1: Previous Experience**

Please state the field / area of expertise applied for ? Senior/Experienced Software Engineer

How many years of RELEVANT experience do you have in the field ? About 4 to 5years of Experience

Please provide detailed descriptions of at least 2 digital technology projects or products you handled. We are interested in understanding your specific role in the project?

**Project 1:**

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| **Name of project / product** | Woof Solana Official website |
| **Short Description of project / product** | "Woof Solana is a high-speed, low-cost blockchain application empowering users to seamlessly manage digital assets and engage in DeFi activities on the Solana network." |
| **Strategy used in implementing the project / product** | The project was executed using an Agile methodology, emphasizing iterative development cycles. A modular front-end approach was adopted, utilizing Next.js, React, and Tailwind CSS for efficient and responsive UI. Version control (Git), user feedback, testing, and automated deployment were integral to ensuring a user-centric, well-documented, and efficient implementation process. |
| **Tools used for project** | As a frontend developer for Woof Solana, I specifically used Next.js, React, and Tailwind CSS to craft responsive and visually pleasing user interfaces. Git and GitHub were my go-to tools for version control and collaboration. API integration was essential for fetching and displaying data. My testing toolkit included Jest and React Testing Library. |
| **Link to the screenshot of the project** | https://github.com/Dev-Jabbar/Preliminary-Online-Interview-Test-for-Senior-developer/blob/master/Screenshot%20(60).png |
| **What was your role in the project** | My role was primarily focused on frontend development. I was responsible for creating and implementing responsive user interfaces, ensuring smooth and engaging interactions for users. This included designing and coding UI components, integrating with backend services, and collaborating closely with the design and development teams to bring the project's frontend vision to life. |
| **Please describe some of the key activities of the project to enable us understand its complexities and your tasks in the project** | I contributed by translating intricate designs into interactive interfaces, integrating APIs for dynamic data, enhancing user experience with animations, ensuring quality through testing, optimizing performance, ensuring cross-browser compatibility, collaborating effectively, managing deployment, and adapting based on user feedback. |

**Project 2:**

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| **Name of project / product** | Afe Babalola university E portal |
| **Short Description of project / product** | The "AFE Babalola University e-Portal" was a project I worked on as a full stack developer. It involved creating a comprehensive online platform for AFE Babalola University, serving as an integrated portal for students, faculty, and administration to access and manage academic information, course registrations, grades, and various campus services efficiently. |
| **Strategy used in implementing the project / product** | In implementing the product, I employed an agile development strategy, utilizing a modular architecture for seamless integration of frontend and backend components, while emphasizing user-centric design, robust security measures, thorough testing, and continuous collaboration with stakeholders to ensure the successful development and deployment of a user-friendly and feature-rich educational portal. |
| **Tools used for project** | As a full stack developer, I utilized React for the frontend, Node.js with Express for the backend, and MongoDB for the database. Git was used for version control, and collaborative communication was facilitated through platforms such as Slack and regular team meetings. |
| **Link to the screenshot of the project** | https://github.com/Dev-Jabbar/Preliminary-Online-Interview-Test-for-Senior-developer/blob/master/Screenshot%20(61).png |
| **What was your role in the project** | In the project, I played the role of a full stack developer, responsible for designing and implementing both the frontend and backend components of the "AFE Babalola University e-Portal," ensuring seamless integration, functionality, and user-friendly features. |
| **Please describe some of the key activities of the project to enable us understand its complexities and your tasks in the project** | Throughout the project, key activities included designing responsive user interfaces, developing interactive features using React and Node.js, setting up secure authentication and data management, implementing complex data models within MongoDB, performing rigorous testing and debugging, collaborating closely with team members to ensure seamless integration, and deploying the "AFE Babalola University e-Portal" for efficient academic management and communication. My tasks revolved around designing UI components, coding backend functionalities, ensuring data integrity, conducting testing, and collaborating across disciplines to achieve the project's comprehensive and functional outcome. |

**Section 2: Role Fit**

In this section, we seek to understand from your perspective how your profile and experience fits this job role.

In ALL CASES, Please include SPECIFIC examples and if possible links to projects.

Where possible, use the STAR model (https://www.vawizard.org/wiz-pdf/STAR\_Method\_Interviews.pdf ) to answer the questions.

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| **Job Requirements** | **Briefly Describe How your Profile and Experience Matches this Requirement.** |
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| proven Experience in relevant Tech field | **Situation:** During my tenure at Woof Solana, I served as a frontend developer responsible for creating a user-friendly and responsive interface for their blockchain-based platform.  **Task:** My primary task was to implement the frontend using modern technologies such as Next.js and Tailwind CSS, react, CSS, typescript, context ensuring optimal performance and a seamless user experience.  **Action:** I designed and developed various components of the Woof Solana platform, including interactive data displays, responsive layouts, and user authentication flows. For example, I implemented a dynamic chart to visualize real-time token prices using React components and integrated it with API endpoints.  **Result**: Through my efforts, I significantly contributed to enhancing the platform's frontend aesthetics and functionality. Users could now easily navigate and interact with the platform's features, leading to improved user engagement and overall satisfaction. You can find an example of my work in this project [provide link to a relevant page or component you developed |
| HND/BSC in any related field or commensurate experience | I hold a Bachelor of Science (B.S.C) degree from Afe Babalola University, where I acquired a solid foundation in a related field. Furthermore, I pursued a Master of Science (M.S.C) degree from Adekunle Ajasin University, further deepening my expertise and knowledge in the relevant domain. My educational background has equipped me with the necessary skills and insights to excel in this role. |
| What software tools / technology tools have you used to fulfil your role ? | I have adeptly utilized tools such as Next.js, React, Tailwind CSS, Node.js, Express, MongoDB, Git, and GitHub to seamlessly contribute to projects. I've integrated APIs for dynamic data exchange, managed state using Redux, conducted rigorous testing with Jest and React Testing Library, and deployed applications on platforms like Heroku and Netlify. Collaborating through communication tools like Slack and Trello, I've ensured efficient teamwork while optimizing both frontend and backend performance through techniques like code splitting and server-side rendering. |
| Have you led a tech team before? How do you keep track of everyone’s work? | Yes, I have experience leading a tech team. To keep track of everyone's work, I utilize a combination of project management tools like Jira and Trello, conducting regular stand-up meetings to discuss progress, breaking down tasks into smaller subtasks for clarity, implementing code reviews for quality assurance, and utilizing collaboration tools such as Slack to ensure real-time communication. |
| Have you ever dealt with conflicts on a project? If so, how did you handle them? | Yes, I have encountered conflicts on projects. To address them, I prioritize active listening, encourage open communication among team members, identify the root cause of the conflict, work collaboratively to find solutions that accommodate everyone's needs, and ensure clear communication of the agreed-upon resolutions. I also mediate discussions if needed, emphasize compromise and flexibility, and follow up to verify the effectiveness of the solutions. Overall, my approach aims to maintain positive team dynamics and foster a learning environment from conflicts. |
| How often do you meet with your team during a project? Do you prefer to meet with the entire team or just team leaders? Why? | very often. I use an approach that involves both weekly team meetings for alignment and transparency and focused discussions with team leaders or stakeholders for planning and decision-making. This combination ensures coordination, task clarity, and project success. |
| Describe one of your most challenging projects so far. Why was it challenging and what did you do to overcome the difficulties? | One of my most challenging projects involved developing a complex e-commerce platform that required integrating multiple third-party APIs for payment, inventory, and shipping. I overcame the difficulties by thoroughly researching the APIs, planning meticulously, collaborating closely with backend developers, conducting rigorous testing, implementing fallback strategies, maintaining continuous communication with stakeholders, and adopting an iterative development approach. |
| How do you approach task assignment within your team? | I approach task assignment within my team by considering each team member's strengths, skills, and expertise. I begin by assessing the requirements of the project and breaking it down into tasks or subtasks. I then match these tasks to team members based on their individual capabilities and interests, ensuring a balanced distribution of workload. Additionally, I encourage open dialogue and allow team members to express preferences if possible. Clear instructions, deadlines, and regular check-ins ensure everyone stays on track and aligned with project goals. This approach fosters collaboration, maximizes efficiency, and empowers team members to contribute effectively. |
| Describe a time when you realised your current approach wasn’t working and how did you resolve it ? | I once realized my rigid task delegation approach was hindering team enthusiasm. I addressed it by fostering open discussions, letting team members self-select tasks aligned with their skills and interests. This led to improved engagement and collaboration. |
| Describe your experience in working with Agile Methodology? | I have extensive experience working with Agile methodology, which emphasizes iterative development and collaboration. I've participated in regular sprint planning, daily stand-up meetings, and sprint retrospectives. This approach allowed for adaptive planning, quick feedback loops, and continuous improvement. I've used tools like Jira and Trello for task tracking, ensured regular communication among cross-functional teams, and valued customer feedback to adjust project direction. My familiarity with Agile has enabled me to deliver projects efficiently, respond to changes effectively, and maintain a customer-centric focus throughout development. |

**Section 3: Skills**

Please share with us links to some of your work that is in public domain. Github, Stackoverflow, Hackerrank and similar are acceptable.

<https://focusbank.vercel.app/> <https://github.com/Dev-Jabbar/Focus_bank>

<https://jabbarportfolio.netlify.app/> <https://jabbarsblog-jabbarlee.vercel.app/>

<https://github.com/Dev-Jabbar/Medium-Clone-Jabbar> <https://my-medium-clone.netlify.app/>

Our objective is to assess the quality of your work. Should you not have anything available in the public domain, we will have to give you a relevant test to access your skill.