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One study addresses the challenges faced by blue-collar workers in Nigeria due to limited job opportunities. It proposes a location-based mobile platform to connect workers with local employers, aiming to bridge the gap between workers and job opportunities, thus promoting economic empowerment and reducing unemployment [1]. The researchers developed this platform using React Native for mobile application development and Firebase for real-time database management, ensuring accessibility for users in various locations. Unlike this platform, our application focuses on connecting users with service professionals rather than job seekers and employers.

Another paper emphasizes the importance of providing clear information about job roles, wages, and worker qualifications to build transparency and trust. It highlights features such as a 'Post Job' module and a review system that helps both job seekers and employers make informed decisions [2]. The authors utilized HTML, CSS, and JavaScript for front-end development, alongside Node.js for the backend, creating an intuitive user interface that simplifies the job posting and application process.

A third study focuses on using web technologies to connect under-skilled workers with employment opportunities. It explains how such platforms allow workers to manage their profiles, set rates, and communicate directly with potential employers [3]. The platform was developed using PHP and MySQL, enabling effective management of user data and facilitating real-time interactions to enhance the user experience.

Lastly, one study describes how modern technologies like Django and machine learning can be used to manage employee data and payroll, outlining features such as payroll management, task tracking, and attendance records [4]. The researchers implemented Python with Django for the backend and utilized PostgreSQL for their database system to handle large amounts of employee data efficiently. Though our application also uses Django, the focus is on facilitating interactions between customers and professionals, including service requests, payments, and real-time communication, rather than employee management.

Overall, QuickLocalFix incorporates many of the key ideas from these studies, creating a user-friendly platform that connects customers with skilled professionals while focusing on trust, transparency, and efficient service delivery.

References

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