

EXPERIENCE

Goweb Webs Solutions Pvt Ltd

Belur, WB

Full Stack Developer

Nov 2022 – Jun 2024

- Led the lifecycle of a dating application, achieving significant results: increased engagement by 15% and downloads by 30%.
- Implemented Material UI for enhanced user experience, contributing to improved app usability and attractiveness.
- Enhanced API response times by 25% through the development of a scalable PHP backend, crucial for improving overall app performance.
- Reduced downtime by 20% by optimizing server configurations, ensuring a more stable and reliable user experience.
- Conducted user feedback sessions for both applications to refine features and enhance user satisfaction.
- Implemented improvements based on feedback, leading to increased user retention and positive app ratings.
- Developed Flutter and React Native applications for a CRM application, expanding user base by 25% and revenue by 35%.
- Created a web version using PHP, HTML, CSS, and JavaScript, leveraging CDN for improved page load times and user experience.
- Utilized A/B testing methodologies to optimize new feature implementations across both applications, resulting in increased user engagement and reduced crash rates.

The Sparks Foundation

Singapore

Android Developer (Internship)

Sept 2022 - Oct 2022

- Leveraged social sign-in via 3rd party APIs, resulting in a 21% increase in user registrations in the first month.
- Executed CRUD operations for SQLite database, improving data retrieval speed by 30% and reducing storage space utilization by 25%.
- Enhanced 15% user experience and data efficiency through strategic integration and optimization.

Shivila Technologies

Kolkata

Android Developer

Jan 2022 - Mar 2022

- Implemented features for various applications in Java.
- Determined architectural and product design details for open-ended tasks or specifications.
- Wrote elegant, self-documenting code, easy to read and adapt for other developers.
- Integrated third party libraries including Picasso, Volley, Jitsi meet, and circleimageView.
- Implemented functionality of Video-calling and End-to-end user chat feature.

PROJECTS

- **Recommendation System:**
 - **Project Details:**
 - Conceptualized and implemented collaborative filtering algorithms on public datasets for music and movie recommendations.
 - Analyzed user preferences to generate personalized suggestions, significantly enhancing user engagement and satisfaction.
 - Utilized advanced data processing techniques and collaborative filtering methodologies to achieve precise prediction accuracy.
 - **Technologies Used:**
 - Data Processing: Python, Pandas, NumPy.
 - Machine Learning: Collaborative Filtering Algorithms.
 - Tools: Jupyter Notebook, Scikit-learn, TensorFlow (if applicable).
 - **Achievements:**
 - Successfully developed and deployed a recommendation system that improved user interaction and retention through personalized recommendations.
 - Optimized algorithm performance to handle large datasets efficiently, ensuring reliable and responsive user experiences.

- **Secure Employee Management Backend:**
 - **Project Details:**
 - Developed a secure employee management backend system using Spring Boot and RESTful APIs.
 - Implemented robust security measures including authentication (JWT) and encryption (TLS/SSL) to safeguard sensitive employee data.
 - Ensured compliance with regulatory requirements (e.g., GDPR, HIPAA) and industry standards for data protection and privacy.
 - **Technologies Used:**
 - Backend Framework: Spring Boot, Java.
 - Security: JWT (JSON Web Tokens), TLS/SSL Encryption.
 - Database: MySQL, PostgreSQL (if applicable).
 - **Achievements:**
 - Successfully delivered a secure backend system that protected employee information against unauthorized access and data breaches.
 - Implemented role-based access controls (RBAC) to manage user permissions and enforce data security policies effectively.
- **Chat Application Using React and Firebase:**
 - **Project Details:**
 - Developed a real-time chat application using React.js and integrated Firebase for backend services including database management and user authentication.
 - **Technologies Used:**
 - **Frontend:** React.js, JSX, React Hooks, Material-UI (or alternative UI library), HTML, CSS.
 - **Backend:** Firebase Realtime Database, Firebase Authentication, Firebase Cloud Storage.
 - **Deployment:** Deployed application using Firebase Hosting (or alternative hosting platform) for seamless deployment and scalability.
 - **Achievements:**
 - Successfully delivered a feature-rich chat application with real-time messaging capabilities, enhancing user communication and collaboration.
 - Improved user engagement through intuitive UI design and optimized performance, resulting in positive user feedback and increased usage metrics.

PROGRAMMING SKILLS

- **Languages:** Java, Kotlin, Golang, Python, JavaScript, Node, C++, SQL, Groovy, PHP, HTML, CSS
- **Frameworks:** Spring, Django, Bootstrap, React Native, React, Express
- **IDEs:** Spring Boot, Android Studio, VS Code, Eclipse
- **Databases:** SQLite3, MySQL, ORACLE SQL, MongoDB
- **Cloud:** AWS, GCP
- **DevOps Tools:** Git, Docker, Jenkins, Kubernetes
- **Version Control:** GitHub
- **Operating Systems:** Windows, Linux, Mac OS

EDUCATION

- Bachelor of Science in Computer Science (**WBSU**) Jul. 2019 – Aug. 2022

Certification

- Oracle Cloud Infrastructure 2024 Generative AI Certified Professional (**Oracle**) Jun. 2024 – Jun. 2026
- Lean Six Sigma White Belt (**MSI**)
- The Fundamentals of Digital Marketing (**GOOGLE Digital Unlocked**)