Goutham Sannidhi

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SUMMARY

Experienced 6 years in Frontend and Backend Engineer with expertise in implementing, customizing, and testing user interfaces.

–Specialized in Mobile Development in **Android Studio** and **Xcode** using **Java**, **Kotlin**, **Swift, React Native**.

–Developed different UI Screens Recycler View, List View, Bottom Navigation Activity etc. using **Fragment/ Activity** for **Android** and **UI Kit** for **IOS.**

–Extensive experience in **Jetpack component, Dagger, RxJava, LiveData** and **VR** Apps **ML Kit**.

–Designed and optimized complex Gradle build scripts to streamline multi-module Android project builds, reducing overall build time by 35%.

– Troubleshot and resolved connectivity issues in Android applications interfacing with IoT devices through Bluetooth, BLE, and Wi-Fi Direct.

–Integrated Lint checks and static analysis tools into the Gradle build pipeline to enforce coding standards and improve code quality.

–Extensive work experience in **SQL** and **NoSQL** Databases like MongoDB, MySQL.

–Identify the architecture, infrastructure, and interfaces to data sources, tools supporting automated data loads, security concerns, analytic models, and data visualization.

–Adept in creating and executing Field Functionality Test Cases, unit testing, and end-to-end testing.

–Skilled in Web development using **React**, **Angular**, **TypeScript**, and **JavaScript**.

–Skilled in Backend Development using **Laravel** and **Nodejs¸ Spring boot**.

–Leveraged **POSTMAN** to inspect API responses and provide visual documentation.

TECHNICAL SKILLS

Mobile Development: Android Studio, Xcode, Xml, React Native, Swift, Kotlin, Graphql, Postman.
Web Development: Angular, React, JavaScript, TypeScript, Laravel, Nodejs.
Programming Language: C, Python, SQL, Java.
Databases: MongoDB, LDAP.

WORK EXPERIENCE

Client: Adept Consulting Group INC. (CA, USA).
Product Name: **Genesis**

Role: Android Developer   *July.2023 – Present*
Responsibilities:

–I have worked on Development, Maintenance and Testing of HR Management System using **Android Studio** and **Xcode** for Mobile Application and **Nodejs** for backend.

–Used **Microservices** architecture, with **Nodejs** services interacting through a combination of **REST**. Used **Retrofit** to make **REST** call.

–Designed and optimized complex Gradle build scripts to streamline multi-module Android project builds, reducing overall build time by 35%.

–Customized Lint reporting formats (e.g., XML, HTML) for integration with static analysis dashboards and QA tools.

–Included **Dagger** for dependency injection for mocking JSON data from REST full Api Web services.

–Using **Jetpack** Compose for UI development, resulting in a 40% reduction in development time and a 25% increase in app responsiveness across diverse Android devices.
–Optimized application performance through strategies like lazy loading and advanced caching.
–Worked on developing different modules like timesheet, Leaves, Project Module etc. using different Activity screens. Used Recycler View**,** List View, to display Json Data.
–Implemented best practices for code quality and version control, streamlining development processes.
–Created Oracle Database objects such as Tables, Views, Synonyms, Indexes, Sequences, Triggers, Packages, Procedures and Functions.
–Implemented End-To-End Testing, unit testing and created test cases Troubleshooting and debugging **Android** applications, identifying and resolving issues

Environment: Android Studio, React Native, Kotlin, Java, NodeJS, Aws, NextUI, SQL, GIT.

Client: Techwave Consulting Private Limited (Hyderabad, India)
Product Name: OneWave

Role: Android Engineer   *Oct.2020 - July.2022*
Responsibilities:
–Developed, Managed and Testing the Employee Management System lifecycle, implementing modules using **Android Studio** and **Xcode** for Mobile Application **Laravel** for backend.
–Designed and developed **RESTful APIs**, enabling efficient data exchange with databases and supporting critical business processes within a **microservices** architecture.
–Implemented CI/CD pipelines using AWS Code Pipeline and Jenkins for automated testing and Deployment.
– Troubleshot and resolved Gradle sync issues across multiple Android Studio versions and project configurations.
– Used Lint to enforce accessibility best practices, identify unused resources, and ensure proper lifecycle method usage.
–Designed, create, and manage database schemas, tables, views, indexes, and other database objects to support the Employee Management Life Cycle.
–Developed modules like, Resignation, Audit, timesheet, Leaves, Project Module based on roles etc. using different Activities. Used Recycler View**,** List View, to display Json Data.
–Working with cross functional teams to develop different modules like Audit, HR etc.
–Integrating With other applications like onboarding Application.
–I've been involved in handling payroll and timesheet management tasks within the finance domain.
–We categorized the Application based on the Roles.
–Conducted security audits to enhance system security and protect user data.
–Collaborated with cross-functional teams to align project requirements with business goals.
–Provided technical support and training for end-users, ensuring smooth system adoption.
–Implemented End-To-End Testing, unit testing and created test cases

Environment: Android Studio, Kotlin, Java**,** MongoDB, Ldap, SQL, Laravel, Postman, Gitbash, Aws.

Client: Gakuen Technologies Private Limited (Hyderabad, India)

Role: Android Developer   *Jan.2019 - Oct.2020*
Responsibilities:
–Created **Mobile** applications for the control of **IOT** devices, focusing on seamless integration and functionality.
–Optimized communication and integration between the **Mobile Applications** and **IOT.**
–Performed thorough unit testing across various devices to ensure the reliability and robustness of the apps.

– Engineered robust file and data transfer mechanisms over various network interfaces to ensure reliable synchronization between devices.
– Integrated and optimized Android network communication stacks for real-time data exchange with external hardware peripherals.
–Troubleshooting and debugging **Android** applications, identifying and resolving issues related to connectivity,
  sensor data, or device compatibility in an **IOT** environment.
–Implemented feature User-Permission to access device Location, Photos, Bluetooth, WIFI etc.
–Managed website content easily with PHP admin interface and developed the REST full APIs.
–Assisting in the documentation of software requirements, architecture, and technical specifications.
–Implemented End-To-End Testing, unit testing and created test cases identifying and resolving issues

Environment: - Android Studio, Xcode, Java, XML, PHP, IOT Devices: - Arduino, Bluetooth etc...

Client: S3 Vision Software Pvt Ltd (Hyderabad, India) (This is my InternShip)

Role: Software Developer   *July.2018 - Jan.2019*
Responsibilities:
– Implementing responsive and cross-compatible Mobile Application and websites using Android Studio, XML, HTML, CSS, Bootstrap, and JQuery.
–Collaborating with UI/UX designers to translate mockups into interactive web interfaces and Mobile interfaces.
–Conducting usability testing and gathering user feedback for iterative improvements.

Environment: Android studio, HTML, CSS, Bootstrap, JQuery, PHP, SQL, React Native.

ACADEMIC PROJECTS

College Voting System

Description: Developed a College Voting System to facilitate student elections and democratic decision-making processes within the college community. The project focused on creating a robust database structure and implementing various SQL components to support the voting system's functionalities.

Key Features:

Database Schema: Designed tables for voters, candidates, elections, and ballots, ensuring data normalization and integrity. The schema included relationships between voters and elections, as well as between candidates and ballots, to maintain accurate voting records.

Voter Registration: Implemented SQL queries and procedures to register eligible voters, verify their credentials, and assign unique voter IDs. The system ensured that only authorized individuals could participate in elections.

Candidate Nomination: Developed functionalities for nominating candidates, including verifying eligibility criteria and recording candidate information in the database. This allowed aspiring candidates to participate in the electoral process.

Voting Process: Designed SQL procedures to conduct the voting process securely and transparently. Voters could cast their votes electronically, and the system recorded their choices while ensuring ballot anonymity and integrity.

Result Tabulation: Implemented SQL queries to tabulate election results accurately and efficiently. The system calculated vote counts for each candidate and generated reports showcasing the outcome of the elections.

Software used: **HTML, CSS, PHP, SQL.**

Library Management System

–Designed and implemented a Library Management System to automate the borrowing and returning of books, manage inventory, track overdue items. The project focused on creating an efficient database structure and developing various SQL components to support library operations.

–Designed tables for books, members, and authors, ensuring data.

–The schema included relationships between books and authors, as well as between members, to maintain a consistent and organized data structure.

–Implemented stored procedures to handle the entire book borrowing and returning processes. These procedures calculated due dates based on borrowing policies, checked for overdue items, and updated the Account status in the database.

–Analyzing the data revealed usage trends and popular books, guiding our decisions on stocking similar titles to meet user demand effectively.

Software used: Android Studio, Java, XML, PHP, SQL.

Real Time Project

Digital Invitation

–Customizing the Invitation into web Portal combining all event details in one accessible location, allowing guests to easily find detail information in a single place

–Providing the Features in web like Invitation card, Images view, Videos View, Maps, Count Down, Live Link Streaming etc.

Here is my Project Link :- https://feteworld.in/

EDUCATION

–Master's in computer science, Oklahoma City University, Oklahoma, USA.   2022-2024
–B.Tech, Computer Science And Engineering in Sphoorthy Engineering College, JNTUH, India   2015-2019