Simranjeet Singh

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SUMMARY

With over six years of experience in mobile software development, I specialize in cross-platform application creation using React Native, Flutter, and native SDKs for iOS and Android. I am adept in backend development, crafting REST APIs, and developing serverless solutions with technologies like Node.js, Express, MongoDB, and AWS Amplify. My proven track record includes designing SMART on FHIR/HL7 compliant healthcare applications and seamlessly integrating mobile apps with sophisticated backend infrastructures. I excel in leading development initiatives, performing thorough code reviews, and enhancing both frontend and backend operations. Skilled in establishing CI/CD pipelines, I am committed to boosting app performance and streamlining processes to heighten productivity. I am keen to apply my software development expertise in a role that collaborates closely with executive leadership to propel innovative projects and meet strategic goals.

SKILLS

- **Programming Languages:** Dart, Java, Kotlin, React, JavaScript, NodeJS, Typescript, Swift, Android, Flutter and React Native for hybrid application development.
- **Backend Languages and Frameworks:** Express, AWS Amplify, Firebase, Google Cloud Platform, AWS Lambda, Restful API development and integration, GraphQL.
- **Mobile App Testing & Optimization:** Espresso, Unit Tests.
- **Database:** MongoDB, SQLite, MySQL, Dynamo DB (AWS), SQLite, Hive, Room DB
- **Architecture:** MVVM/MVC/MVI, Clean Architecture
- **CI/CD Automation:** GitHub Actions, Jenkins, Google app distribution, TestFlight, Automation Scripts, Fastlane
- **UI/UX Design:** Figma, Adobe, Photoshop, Wireframing, Prototyping
- **Methodologies:** Agile development, Scrum, Jira, Feature-Driven Development (FDD), Test-Driven Development (TDD)
- **Version Control**: Git, Bitbucket
- **Tools and IDEs:** Android Studio, XCode, Visual Studio, VS Code, Robo3T
- **Authentication:** OAuth 2.0, Password less authentication SDKs, Descope, OIDC, Credential Manager, Social Logins.
- **Security:** Encryption standards, Secure coding practices, Cybersecurity awareness.
- **Data Structures & Algorithms:** Proficient in applying efficient data structures and algorithms to optimize software solutions.
- **Cross-Platform Integration:** Ability to integrate across different platforms (iOS, Android, Web) ensuring seamless user experience.
- **CMS:** WordPress, Wix.

- **Other Technical Skills:** Push Notification, Google Ad mob, Payment gateway integration, Backend less server development, TDD, FDD's, 3rd party API integration, in-app purchases, subscriptions, Internationalization, Play Store & Appstore compliance.
- **Soft Skills:** Communication (Written & Verbal), Collaboration, Problem-solving, Adaptability, Resilience, Conflict Resolution

PROFESSIONAL SKILLS

- Problem Solving: Demonstrated adeptness at resolving complex issues and fostering collaboration across diverse teams and hierarchical levels.
- Communication: Proficient in articulating ideas clearly and persuasively in both written and verbal forms, with a track record of engaging executive audiences including C-suite and VP levels.
- Proactivity and Enthusiasm: Known for a proactive stance on challenges, showcasing readiness and eagerness to undertake various tasks with a positive attitude.

EXPERIENCE

Senior Mobile App developer, Local Security, Penticton BC   2023 – Present
- Engineered and launched two core applications with 27 custom versions each, enhancing client-specific functionalities.
- Mastered Flutter, Dart, Kotlin, and Swift to develop feature-rich mobile applications, improving user engagement and satisfaction.
- Architected mobile applications from the ground up using the Flutter framework, with a focus on frontend development and AWS for backend support.
- Incorporated native features to meet specific client requirements and enhance application performance.
- Integrated AWS Amplify components including Dynamo DB, Lambda, App Sync, and GraphQL, ensuring robust app connectivity.
- Revamped caching mechanisms across 27 applications, which resulted in a 50% increase in loading speed and a 30% reduction in data retrieval times.
- Collaborated with cross-functional teams to produce robust, testable code that adheres to high-quality standards.
- Maintained and upgraded application features to enhance customer experience and app reliability.
- Optimized backend functionalities within AWS Amplify to enhance system efficiency and performance.
- Designed and maintained CI/CD pipelines, reducing release times by 70% and facilitating smoother deployment for internal and production environments.

Software Engineer II [Mobile], MPHRx   July 2020 – April 2022
- Directed the development of phlebotomist app modules focusing on native Android and React Native platforms.
- Coordinated effectively with Executives and Managers across development, business, and solution engineering teams to deploy innovative solutions.
- Acted as the primary contact for technical, product, and QA support, resolving queries swiftly and efficiently.

- Researched and implemented optimization strategies for the mobile development process to enhance efficiency.
- Demonstrated new advancements through regular proof of concept presentations to management, influencing future development strategies.
- Utilized technical skills in Kotlin, Android, React-Native, MongoDB, and more to support agile development cycles and improve software quality.
- Partnered with Product Managers, QA, Solution Engineers, and Design Teams to ensure cohesive project execution.
- Achieved significant cost reductions by revamping the legacy live tracking system, virtually eliminating associated costs.
- Streamlined the build process, employing automation techniques that reduce build times by 80%, thus boosting team productivity by over 30%.
- Deployed automated build processes using Firebase distribution and Jenkins, enhancing the efficiency of software deployment.
- Revitalized legacy code, ensuring timely updates and adherence to current standards.
- Documented new features comprehensively to train and update both new and existing team members.
- Slashed Google API costs dramatically, from $1000 to under $200 monthly, by optimizing the live tracking system.

Android Developer, Snowflakes   **April 2019 – June 2020**
- Pioneered the development of cross-platform mobile applications using Flutter, which cut development time by 30% compared to native solutions.
- Created and launched multiple applications for sectors like social media, real estate, and inventory management.
- Managed several projects independently, overseeing all stages from conception to deployment.
- Worked closely with the web development team to enhance and streamline the mobile development process.
- Adapted and integrated third-party and open-source APIs to meet specific application requirements effectively.
- Conducted direct client consultations to assess needs and provide tailored solutions, boosting client satisfaction by 20%.

Android Developer, Netgains   **2017 – April 2019**
- Spearheaded full-stack development of Android applications, including crafting RESTful APIs with PHP to ensure seamless server connectivity.
- Developed and deployed multiple applications across diverse domains such as social media, real estate, and gaming.
- Managed multiple projects from inception to launch, demonstrating strong project leadership and technical expertise.
- Mentored interns, providing guidance and training in Android app development and best practices.

OTHER EXPERIENCE

Independent Contractor/ Consultant, Healthcare Tech   **March 2024 – Present**
- Architected and developed an HL7/FHIR-compliant server utilizing NodeJS, MongoDB, and Express, ensuring robust and secure healthcare data handling.
- Mentored team members and provided technical consultation to maintain and enhance health IT standards compliance, focusing on HL7 and FHIR frameworks.
- Directed and educated the development team on constructing Smart on FHIR authentication and authorization servers, boosting system security and functionality.
- Engineered a cross-platform mobile application using Flutter, designed to integrate seamlessly with any Smart on FHIR EHR server, enhancing user connectivity and interoperability.
- Ensured and upheld FHIR compliance for both mobile applications and middleware servers, conducting thorough verifications and ongoing maintenance.

EDUCATION

Georgian College   **May 2022 – Dec 2022**
Post Graduate Certificate degree, Mobile application development [Honors] [Dean's list] [90 % GPA]
Relevant Coursework: React Native, React Web, Android, iOS, NodeJS, Flutter Mongo DB, SQLite, MySQL, Room DB, Express Framework for API development, Auth0, Payment gateway integration.

I.K. Punjab Technical University   **Aug 2013 – May 2017**
Bachelor of Technology, Computer Science Engineering [70 % GPA]
Relevant Coursework: OOPS, SDLC, Computer Networking, System programming, Data Structures, Operating System, Database, Analysis and design of Algorithm, Web Technologies Basic & Advance Java, JSP, C++, PHP, HTML & CSS, Android
Verification Link: https://credly.com/badges/18a83d75-90dc-4080-b9ca-94cb889b474c

OTHER CERTIFICATIONS

AWS Amplify - LinkedIn Learning
https://www.linkedin.com/learning/certificates/48b5b3051f538aeadfd09301619c5c788ed5558a064a7f180bb684e3f3cbcf1a?u=2175986

Social Leadership - LinkedIn Learning
https://www.linkedin.com/learning/certificates/738c71d4ab0d6cc017186c80560829b569b38af8e1d42bd39a7bd8ba423e59df?u=2175986

React: Securing Applications - LinkedIn Learning
https://www.linkedin.com/learning/certificates/e548de753cfbe26f195bb09dbfb7bb0ada5f2ffe8b92c826de251d800332504e