NAGASHREE BHAT

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- Software Engineer with 4+ years of extensive experience in software design and development and Agile Methodologies
- Excellent hands on experience with Android application development tools, **Android Studio**, **Android SDK**, **Android UItoolkit** and **Android application framework**.
- Experience of using different source control systems like **SVN**, **Git** and **Bitbucket**.
- Worked on **Android UI** components such as Text View, List View, Menu, Edit Text, Buttons, Checkbox, Dialog, Alerts, Action bars, Spinners, Card View and Recycler Views.
- Experience in working with **Google Maps API**, **GPSLocationData** and **Push Notifications** using **GCM** and **FCM**.
- Worked with **DDMS**, **ADB** and **logcat** for debugging applications.
- Focused on background processing with **AsyncTasks**, **Services**, **IntentServices**, **IPC**, **Multi-threading** and **AIDL.**
- Proficient in Data Structures, Object Oriented Concepts, Cloud Technologies, Windows & Linux Server environments
- Passionate about Mobile App & SDKs, Cloud and Web technologies, UI and UX design.
- Expertise in Mobile Application development with both cross platform technologies and native applications.
- Cross Platform Application Development: Cordova and Xamarin
- Experience with MVC, MVP, MVVM, VP Design Patterns.
- Native Platform Application Development: Android, Windows Universal.
- A team player who pushes forward her team to continuously improve software products
- Experience in web technologies like HTML, XML, JavaScript, React.js, and CSS, Illustrator.
- Extensively worked on memory leaks, push notifications, Gradle.

TECHNICAL SKILLS

JAVA | JavaScript | React | MySQL | DB2 | Eclipse | Docker | Android Studio | Visual Studio | XCode | Git | HTML5 | MVC | REST API | SSH | HTTP | DB2 | Cordova | Liberty | Chrome Developer Tools | Eclipse | Linux | Mac OS X | ADB | Gradle | Maven | Wireshark | WebSphere | IBM Cloud | MobileFirst |

WORK EXPERIENCE

Android Developer, Dandilyonn, San Jose   **Jun 2019 – Aug 2019**

- Designed and developed Android application which helps to track your eco-friendly behavior and motivates you to get better at it and also to calculate the number of carbon footprints created by the user.
- Fair knowledge on usage of ADB, XCode and logcat for Android and iOS devices
- Identifying areas for modification in existing programs and subsequently developing these modifications
- Execution of test cases of internal consumer Payments store for Android and iOS mobile apps.
- Work with Product Management team to target new features for the app.
- Created custom Push Notification for individual app user.
- Used Async adapters to load changed data from server and to send modified data to server from app.
- Tested the application on multiple android targets and debugged the issues that were found.
- Managed data using SQLite, Firebase as well as Raw Queries to do database management.
- Created Recycler view using base adapters and populate the data on UI.
- Experience in the required GUI by making modifications to the XML files.
- Experience with REST and SOAP web services.
- Worked on Continuous Integration and code version using GIT.
- Worked on UI implementation and control.
- Implemented Fragments, Activities.
- Developed different features for the application.

Software Developer, IBM India Software Labs, Bangalore   **Aug 2015 – Apr 2018**

- Pioneered the development of SMS Gateway for MobileFirst SDK and released a new version of Unified Push Notifications
- IBM MobileFirst product development for Android, Windows Universal and iOS environments.
- Worked in Client SDK Team as a developer for Android, Windows Universal, Xamarin and iOS Environments and it involves various product development activities.
- Development of various Client SDK component/features which includes both cross platform and Native Development for Android, iOS and Windows Universal Mobile SDKs.
- Ensure that implemented components /features are unit tested and ready to be integrated into the product.
- Additionally, to the above, technical support for L3 issues of the product.
- Following AGILE methodologies for product development and delivering the product.
- Developed a framework to handle Windows & iOS SDK updates, APIs and interactive push notifications
- Work with customers to understand requirements, design and build prototypes thereby contribute to R&D of future products
- Migration of IBM Bluemix Applications to MobileFirst On-Premise Platform
- Worked on UI implementation for the several other R&D mobile projects of the company
- Worked in an agile environment.
- Created app to automatically test previous versions of MobileFirst (5.3v to 8.0v) on iOS and Android on newer devices.

    About the product: IBM MobileFirst provides an open, comprehensive and advanced mobile application platform for smartphones and tablets, helping organizations of all sizes to efficiently develop, connect, run and manage HTML5, hybrid and native applications. Leveraging standards-based technologies and tools, the platform ships with a comprehensive development environment, mobile optimized middleware, and an integrated management, and analytics console, supported by variety of security mechanisms.

Software Developer, Hewlett Packard, Bangalore   **Nov 2014 - July 2015**

- Develop web apps using Java, SQL and HTML, write unit tests, version control, code reviews and code deployment on cloud
- Improved the efficiency of the data management and analytics tool by 25% using AWS autoscaling backend for Telstra project
- Involved in production support team for handling User Interface defects and generating form result periodically
- Verify Web services API request, response data validations for RESTful services.
- Has developed test cases for business functionalities.
- Has developed JSP's as part of UI layer.
- Was involved in **unit testing** and System testing for new Requirements.
- Wrote scripts to automate database checks.

PROJECTS

IBM ISL IBM MobileFirst: (IBM)

- **Windows/iOS Push Notification framework for IBM MobileFirst Platform:** I was part of the design and development of handling Windows and iOS Push notifications as part of Unified Push Notification framework for IBM MobileFirst Platform v8.0 release. The framework is designed such that a single notification from the server can be targeted to both Windows, iOS and Android devices.
- Developed the client-side framework for Android to handle notifications that are intended only for a particular event source. The core architecture of the unified notifications is based on Publisher-Subscriber model. This enables users to get only the notifications that they are interested in and not receive all the notifications.
- SMS Gateway for MobileFirst SDK: I was responsible for creating MFPPush API's to handle registered callback of received push notifications

- Android sdk certificate pinning feature support with MobileFirst: I was responsible to deliver support for multiple certificate pinning support on android MobileFirst client sdk.

FirstStep Chrome Extension
- Developed a chrome extension to help under-privileged children work with phonetic signs and improve their communication online. **JavaScript**

TalentMatch Android App
- Proximity based professional networking android application which aims to connect candidates with recruiters seeking talent based on skillset match in job fairs using Bluetooth or geofencing based on efficiency. **Java, Redis, MySQL, AWS**

LifePlan App (IBM)
- Mobile based intelligent customer support on Insurance app which supports in-app calling and remote access of local account for customer service agents to fix the issues on the fly. **Android, Quickblox**

Environmental Footprint (Dandilyonn)
- An app to keep track of carbon footprint and share among friends. **Android, Firebase**

EDUCATION

Master's in Computer Science| | International Technological University, San Jose, CA | May 2020
Course work: Software Engineering, Database Systems, Software Architectures, Distributed Systems, Data Structures and Algorithms
Master's in Software System | Birla Institute if Technology, Pilani, India | Dec 2017
Bachelor of Engineering | Visvesvaraya Technological University, Karnataka, India| July 2014

HONORS

- Microsoft Student Partner & Google Student Ambassador [2013-2014]
- Grace Hopper Celebration Scholarship & Google Anita Borg Scholarship [2016]
- Microsoft Certified Solutions Developer [2013]

HACKATHONS

- Winning team at the hackathons and Chrome App Challenge
- Recipient of the best hack award for improving customer experience at a fintech hackathon
- Nokia Launchpad Member [2012]
- IBM Manager Choice Award [2017]