Kailash Prakash Chivhe

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EDUCATION

The University of North Carolina at Charlotte, Charlotte, NC — **May 2023**
Master's of Science, Computer Science, **GPA:** 3.9/4

Maharashtra Institute of Technology World Peace University, Pune, India — **May 2019**
Master's of Science, Computer Science, **GPA:** 9.79/10

Fergusson College, Pune University, Pune, India — **May 2017**
Bachelor's of Science, Computer Science, **GPA:** 82.58/100

TECHNICAL SKILLS

Languages: C, C++, Java, Kotlin, Dart, Objective-C, Swift, Javascript, Typescript.
Databases: Firebase, MySQL, PostgreSQL, MongoDB.
Platforms/Designs: Android, Android TV, Flutter, iOS, NodeJS, MVVM, MVP, MVC, Singleton, Factory, Observer.
Technologies/Libraries: RxJava, RxKotlin, Gradle, Braintree, Android NDK, Twilio, Jetpack Compose, LeakCanary, Glide, Okhttp, Retrofit, Picasso, Dagger, Heroku, Amazon Web Services(S3, EC2), Google Cloud Platform, RESTful(XML/JSON), SVN, Webview, MediaPlayer, ExoPlayer, GStreamer, Amazon Amplify, TCP/IP, UDP, BLE, MQTT, HTTPS, Microsoft Azure, Swagger.
Tools: Firebase Crashlytics, Firebase Analytics, Firebase storage, Bugzilla, Fabric Crashlytics, Docker, Jira, Jenkins, Firebase cloud functions, Git, Appium, Mockito, JUnit, Linux, Figma.

WORK EXPERIENCES

Software Developer, Gallup, Omaha NE — **June 2023 – Present**
- **Integrated** Search feature, migrated gradle upgrade, and refactored the **Gallup Access** application to **MVVM** architecture.
- **Collaborated** with the Technical Project Manager (TPM), SA, and Team Lead to set task and project timelines.
- Used JIRA for managing and tracking project tasks, issues, and bugs.

Graduate Research Assistant, University of North Carolina at Charlotte, NC — **June 2022 – May 2023**
- Successfully **researched** and **developed VIFI infrastructure** under Dr. William Tolone.
- Constructed server **configuration** and **workflow** test scripts for Cleveland State University and Louisiana State University.
- Performed migration from **Docker** to **Singularity** and revised installation document as per **Python3** interpreter.

Software Engineer Intern, Appzly Inc, Charlotte, NC — **May 2022 – August 2022**
- Successfully integrated **MVVM** architecture for the **Envision** and **ISN** applications.
- Composed **JUnit** test cases and used **Android profiler** for analysis and testing.
- Developed **Firebase cloud functions** to update data on the **Firebase cloud database**.
- Transformed **Figma/Zeplin** wireframes to native **Android** application.

Graduate Teaching Assistant, University of North Carolina at Charlotte, NC — **October 2021 – May 2022**
- Assisted in teaching technologies such as **HTML**, **CSS**, **jQuery**, **AJAX**, and **Javascript** to **40+ students** per semester.
- Graded assignments and projects deployed on **AWS S3** and **Heroku** servers for 40+ students per semester.
- Resolved queries of students and other instructional assistants.

Software Engineer, Media Magic Technologies Pvt. Ltd, Pune, India — **May 2019 – June 2021**
- Implemented DTS PlayFi multimedia application features, resulting in increased functionality and usability for users.
- Added new skins, **oAuth2 login**, and third-party library support for **Philips Sound**, **Porsche skin**, **Tidal**, **Amazon Music**, **KKBox**, and **Spotify** in the application.
- Collaborated with on-shore and off-shore teams to successfully implement Agile methodology for feature development.
- Fixed memory leak issues in playback by **10%** for **TuneIn** and **TCP/IP** socket connection issues.

Software Engineer Intern, Media Magic Technologies Pvt. Ltd, Pune, India — **November 2018 – April 2019**
- Developed **Android** and **iOS** applications utilizing **Java** and **Swift**.
- Programmed **Node ESP8266** and **Arduino** to communicate with each other using **IoT** protocols such as **MQTT**, **Zigbee**, and **BLE**.
- Successfully increased the efficiency of the project by **8%** by resolving **memory** issues.

PROJECTS

Smart Shopping Application — **[Android, MongoDB, Express, NodeJS]**
- Designed a smart shopping application to display grocery items as per aisles with the help of **BLE beacons** for designated sections.
- Implemented **REST API** with **JWT token** validation using **NodeJS** for login, registration, and fetching data from the database.
- Integrated **Braintree payment gateway** using a sandbox mechanism for purchasing items added to the cart.

BacTrack Application — **[Android, Express, NodeJS, MongoDB]**
- Designed an alcohol consumption test application using the **BacTrackSDK** and **BLE**.
- Implemented **REST API** with **JWT token** validation using **NodeJS** for login, registration, and fetching data from the database.
- Used third-party libraries such as **Lottie** and **AnyChart** to enhance the **UI**.

iTunes Mock — **[iOS, Swift, Storyboard, Cocoapods, Alomafire, SwiftyJSON]**
- Developed an iTunes mock application.
- Used Storyboard for designing the UI.