Harikrishnan Rajan

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EXPERIENCE

GOOGLE SUMMER OF CODE | Student developer
May 2017 – August 2017

- Worked on the K-9 Mail application - an advanced email client for Android.
- Optimized mail synchronization by adding support for the CONDSTORE and QRESYNC extensions for the IMAP protocol.
- Refactored the server synchronization and push service code to be more modular and extendable.
- Added support for the UID EXPUNGE command and MULTIAPPEND extension.

RIDE ON CAB | Android development Intern
June 2016 – September 2016

- Worked on an Android application that lets it's users compare and book cabs across multiple providers.
- Integrated the application with third-party APIs (Ola Cabs, Jugnoo Autos, MyTaxiIndia).
- Routinely debugged both the Android application and the backend.

RELIVA PHYSIOTHERAPY | Web Development Intern
June 2016

- Created an interactive calendar for appointment scheduling using Firebase, AngularJS and Bootstrap.

INTELLECT DESIGN ARENA | Web Development Intern
December 2015 - January 2016

- Worked on a web application that demonstrated usage of the FusionCharts JavaScript library to implement several modern UI features.

SKILLS

PROGRAMMING
Over 2000 lines:
Java • Android
Over 500 lines:
PHP • JavaScript • MySQL • Firebase
Familiar:
C • Python • CSS

PROJECTS

POKESCANNER
An Android scanner for Pokemon Go.

- PokeScanner is an open-source application that lets users see the location of nearby Pokemon, catchable in Pokemon Go. It hit 50,000 downloads in less than two weeks.
- Integrated the application with Google Maps and Location Services and added support for Pokestops and Gyms.

GOIV
An IV calculator for Pokemon Go.

- GoIV is an Android application that lets users prioritize which Pokemon to improve by calculating a special IV value using optical character recognition.
- Added several features such as automatic updating using the Github API, crash reporting using Crashlytics and a settings screen to modify behavior.

PASTEIO
A Pastebin client for Android.

- PasteIO is an application that lets users send, receive and share pieces of text with each other.
- Built using a modern Android stack including RxJava, Realm and the MVP architecture pattern.

LOGISTICS MANAGER
A pair of applications to manage delivery personnel.

- Created an Android application that shows it's user's real time position and relays it to a server.
- Also developed a web application that lets it's user track the location of all field personnel and assign them delivery jobs.
- Used NodeJS, Socket.io and GCM for the server, as well as the Google Maps API for the maps on both applications.

EDUCATION

UNIVERSITY OF MUMBAI
Bachelor of Engineering in Computer Science
VES Institute of Technology, Chembur
May 2013 - June 2017
CGPA - 7.75 (on a scale of 1 to 10)