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HIGHLIGHTS

- Single handedly developed an Objective-C library to convert RTF file with images to RTFD.
- Lead a team to win a hackathon and got a job offer in prize.
- Gave talks on topics related to Algorithm Thinking, Version Control Systems and Cloud Computing.

WORK EXPERIENCE

iOS Engineer **Haptik Inc** **Sept 2016 – Present**

Haptik: India's highest rated app. Largest Conversational Commerce platform that is powered by both AI and real humans.

- Re-Architected Chats module, replaced **UITableView** based third-party lib with **UICollectionView**, achieved **50-55 fps** smooth scrolling & tested with **Instruments**.
- Architected & built Cabs module from scratch, integrated **UberRidesSDK** and **GoogleMapsSDK** to facilitate a **2-tap** cab booking experience.
- Worked on **Wallet** and **Payments** layer, includes functionalities to add money to wallet and pay with Saved Card, New Card or Net-Banking.
- Integrated third-party wallet payment providers like Mobikwik and Freecharge.
- Redesigned app's core module views with **NSLayoutAnchor** and **UIStackView** to achieve **consistent interface** over all devices.
- Built Quick Replies with **UICollectionView**, implemented curved-path animations with **CAAnimation** and **UIView** snapshots.
- Added support for 3D Touch Quick Actions with **UIApplicationShortcutIcon** to achieve **DeepLinking** and **one-tap-to-actions**.
- Streamline and smoothen in-house beta build distributions by using **Buddybuild** and **Fastlane**, saved each developer's **1-2hrs every day**.
- Worked on **XCTest** for writing unit tests, **CoreData** for data storage, **UserNotificationsUI** for rich notifications, **MQTT** for messaging.
- URL: [App Store](#)

Software Engineer, iOS **Praxify Technologies** **Aug 2015 – Sept 2016**

Praxify: India's first iPad based Electronic Medical Record – EMR

- Developed Notes and Orders module, which involved **optimized syncing** to other devices.
- **Speech-To-Text** Integration in Notes, also added speech commands to easily create orders and fill details. **Reduced** the time to create and edit a Note **by 70-80%**.
- Developed my own library without any external help to convert a **Microsoft RTF** file with images to **Apple RTFD** file, used **NSRegularExpression** extensively.
- Worked on SQLite secure access with **AES**, encrypted **.sqlite** file with **sqlcipher**.
- Started writing **Swift** with **Objective-C** to achieve interoperability and **Mix & Match**.
- Split the app in **Targets** to avoid runtime conditional statements and achieved **faster build** times by **reducing no. files to compile**.

iOS Developer **Böerm Bruckmeier Infotech** **Jun 2014 – Aug 2015**

Medicines pocket: Leading drug reference **iOS** app available for both **iPhone** and **iPad**.

- Improved **Table of Contents** module of the app with a **Tree** Data structure instead of using an array and string matching method, this **collapsible table view** with Tree can now be extended to N number of levels.
- Custom Tab bar module, which **removes** the iOS default tab bar **limitation** of **at most 5 icons**.

Gave a talk on **Version Control Systems** and managing releases with **GitHub** and their benefits, earlier the employees were using ZIPs for versioning.

Created a Python script to generate icons for **iOS** and **Android** apps with proper folder structure, **reduced** the **time required** for graphic designers for exporting icons into different sizes **by 100%**.

Intern**Pepcus Software Services****Jun 2013 – Aug 2013**

Crime Analysis Software: A crime reporting and analysis system for Madhya Pradesh Police to manage the crime records efficiently.

- Authorization Layer, implemented **role based access** to different components.
- Charts and Visualizations with **D3JS** to analyse and filter crime data and export the final report to CSVs or PDFs.
- The application till now stores over **500,000** FIRs from all over the state.
- Hosted on the government data centre at: https://cid.mppolice.gov.in/crime_analysis

EDUCATION**Indore, India****IES IPS Academy, RGTU****2010 – 2014**

- B.E. in Computer Science Engineering GPA: 3.4.
- Courses: Software Foundations; Object Oriented Programming (OOPs); Computer Architecture; Algorithms; Data Structures (DS); Databases.

TECHNICAL EXPERIENCE**Projects**

Class Automation System: Java based web application aims smooth communication between teachers and students.

- This involves sending notifications to a group of students for holidays, assignments and other college activities.
- Student and faculty data can be stored/uploaded using Excel files (apache POI library). The application is based on MVC architecture.
- Source: <https://github.com/vinayjn/College-Automation>

Generic Medicines: iOS app leveraging **TrueMd** database

- Searches **TrueMd** database for generic alternatives of costly drugs.
- iOS Networking without any third party libs

Jarvis: Voice Assistant console app inspired by Ironman.

- Written in Python, leverages **SpeechRecognition** and **macOS** speech libraries under the hood.
- **Voice controlled** and backed by **API.AI** to provide a great **Small-Talk** experience.
- Provides weather updates, controls music playback, motivates me by Quote of the Day, browses Wikipedia for queries, logout the system when I ask it to sleep and a lot more.
- Planning a **Raspberry-Pi** integration, figuring out ways to bring **macOS** voices to **Ubuntu**.

Love Calculator: Calculates the chances/percentage your secret crush loves you back. The results are totally random, the app was built as a demo app for a talk on Google App Engine which turned out to be a fun tool among friends.

- Built in Java with the Google App Engine SDK
- Deployed on: <http://v1n4yjnapp.appspot.com/>

ADDITIONAL EXPERIENCE AND AWARDS**Hackathons:**

- Stood first in the HealthHack hackathon organized by Praxify, got a job offer in prize.
- Third position in hackathon organized by Honeywell.

Street Cred Winner, for highest open source contributions and blogs published.

Winner, College Project Submission, over 65 participants.

Languages and Technologies

- Java; Objective-C; Swift; JavaScript; Python
- Xcode; Atom