

Varun Barad

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Overview

Curious developer with 5+ years of experience architecting, developing, deploying and maintaining various softwares. Recognized for exceptional auto-didactic nature and being a tenacious problem-solver.

Skills & Abilities

- Built and maintained a backend service in Kotlin (for around **3 years**) for a product with **more than 5000 active users**.
- Built and contributed to **11 published apps** (both in Kotlin and Java) on the Play Store (8 of those are still active on the store). Worked on many other apps from their **design to device** phases.
- Comfortable with: Creating and consuming APIs (including integrations with other services), Unit & Integration testing, Continuous Integration, Software Architecture, Payments Integration, Git, Python, NodeJS.
- Mentored multiple developers over the years both as a mobile and a backend engineer to develop their own vision towards a better craft approach.

Experience

Product Engineer (Backend) – Remote | Obvious | 08/2020 – Ongoing

- Develop Obvious' first product – Pause (<https://getpause.com>)
- Partnered with product and design teams to understand their requirements and vision for the software
- Constructed the architecture of the backend system consisting of PostgreSQL as database and a Kotlin codebase for REST API and integrations with third-party services
 - Developed the REST API to be used from the web-app
 - Built the integrations with Slack and Google Calendar
 - Integrated multi-currency payment flow using Stripe
- Lead the backend team and eventually the whole engineering team of Pause
- Wrote support documentation in form of how-to guides for various tasks in Pause
- Provided support to customers by both directly replying to their questions and by working on concerns brought up by the support team
- Ongoing maintenance in forms of debugging and fixing any discovered bugs in the backend system

Product Engineer (Mobile) – Remote | Obvious | 04/2020 – 07/2020

- Developed MVP of an Android application for a fintech client project in collaboration with team members
- Architect the structure of the application and its code organization
- Communicate with client team and design team to understand their requirements
- Wrote the code for their periodic SMS sync feature on Android

Android Developer – Remote | [Deliverr](#) | 05/2018 – 05/2019

- Developed Customer, Driver and Store-Manager Android applications for Deliverr platform (<https://deliverr.ca>)
- Worked with one other engineer to add new features to the existing Customer and Driver applications
- Architect and code the redesign of customer app to allow item-customisation and improve user-experience
- Integrate existing applications with Firebase to add support for social-login via Google accounts

Android Developer | Crawded Technologies Pvt. Ltd. | 01/2015 – 06/2015

- Developed the MVP of their SchoolWeb and Crawded platforms' Android applications in a team of engineers
- Architected and coded the home-page feed in their Android applications

Android Developer | Udaan Dev Team | 2015 – 2017 | Volunteer

- Created companion Android application for Udaan (our college's tech-fest) for 3 years by working alongside a team of 8 other peers to work through the design to deployment phases
- Mentored a budding Android developer through the phases of designing to publishing to Play Store

Other Projects

- **Typractice** – A tracker-free and ad-free website where you can practice typing. ([Website](#) | [GitHub](#))
- **Contacts Calendar** – Website to export a calendar of birthdays from your Google Contacts. ([Website](#) | [GitHub](#))
- **Improvement Roll** – A website suggesting useful things to do in short breaks. ([Website](#) | [GitHub](#))
- **To-Read Manager** – This app helps me manage my to-read links at one place on my phone without sharing it with any third-party. ([GitHub](#) | [Play Store](#))
- **My Places** – This is an application which helps me record locations which I want to save and keep track of. ([GitHub](#) | [Play Store](#))

Some of my writing (link to my blog)

- Taking a heap-dump from a running JVM process ([link](#))
- Cheatsheet – PostgreSQL ([link](#))
- Switching RxJava schedulers between app code and corresponding tests ([link](#))
- Why you should own your email address? ([link](#))

Other Certifications

- Relational Database | freeCodeCamp ([Certificate](#))
- Back End Development and APIs | freeCodeCamp ([Certificate](#))
- Android Developer Nanodegree | Udacity ([Certificate](#))
- JavaScript Algorithms and Data Structures | freeCodeCamp ([Certificate](#))
- Responsive Web Design | freeCodeCamp ([Certificate](#))