Varun Verma

Technocrat

4+ years of experience in shipping industry leading mobile apps for millions of people

mailvarunest@gmail.com
+91 7508273361
varunest.com
github.com/varunest
linkedin.com/in/varunest

Work Experience

◉ **Co-Founder & CTO**   Chandigarh, India (2016 - Present)
Videoder

Videoder is now a very popular entertainment app which has now grown to **3M DAU** with around **100K DNU**. I played various roles in past few years, which ranged from handling tech, finding growth hacks, coming up with new features which provided USP to our product, revenue optimization, UI/UX, prioritizing work and working upon feedback from our users. Following are a few important tasks that I performed during this time:

- Implemented Runtime Dex Loading, facilitating the app to update all the volatile logic without actually updating the app.
- Built crowdsourced localization infrastructure fueled by our volunteers which ultimately helped to save us significant bucks and helped the app to be translated in 44 languages.
- Worked on driving growth on social media which resulted ultimately in DNU growth. (Our FB page has 1.2 million likes now and DNU of 100k)
- Created a powerful browser with features like adblocker, history, incognito browsing etc to increase in app session time.
- Wrote extractors for various media sites to create USP for our product.
- Created first HLS downloader in android space which could download encrypted HLS streams and stitch them back together. This helped us to support media sites which streamed HLS content.
- Developed multi-threaded downloader to boost up the downloading speed.
- Implemented SSL pinning to ensure security and avoid MITM attacks.
- Wrote copied link detection feature to recognize any playable/downloadable link which is copied to the clipboard.
- Implemented a beta distribution channel so that early adopters can give feedback and report bugs, ultimately improving stability and adaption of our final releases.
- Came up with and implemented other features like Meta Tag Editor, Subtitles, etc. to drive growth and engagement.
- Wrote an algorithm to serve ads and incorporate third-party Ad networks to increase revenue.
- Automated release process (build, upload and verify) for several modules which saved 70+ man hours till date
- Implemented latest libraries and concepts like (ExoMedia, Gson, Fresco, RXJava, Kotlin, etc.) to keep up with industry standards and android community.
- Designed code architecture, implemented design patterns like MVP and wrote test cases to increase productivity and sustainability of code.

- Developed, designed and did the SEO of my website driving daily traffic from 20k to 70k.
- Created internal dashboards and tools like revenue dashboard, status dashboard, etc.
- Developed notification delivery system on the top of FCM API which is then used in our app to show notifications, banners and to send deep links.
- Built Rest API using nodejs and express for sending updated configurations, storing user data, analytics, extractions, etc.
- Configured NGINX to act as load balancer which could scale out horizontally when load increases. Presently it servers over 1500 requests/second.
- Configured MySQL server, created the schema and performed database admin duties.
- Configured MongoDB with a delayed replication to store data where RDBMS was not sufficing, like user recommendations, watch history, etc.
- Configured Redis to store web sessions, cache important and volatile configurations, push events, etc.
- Wrote few crons which helped with stuff like generating Ad revenue reports, tracking installs and uninstalls, processing scheduled pushes, etc.
- Configured custom mail server using vesta control panel to run mail campaigns.

- Designed and developed Videoder for Mac/Windows on electron & react framework analogous to the Videoder android app.

◉ **Software Development Engineer**   Gurgaon, India (2015 - 2016)
Zomato

- Published 30+ releases of Zomato's Consumer app (including complete makeover in terms of design and business logic)
- Managed the Android team working on Consumer Android App.
- Optimized and enhanced performance of Android App (Shifted app architecture from XML dom parser to Gson parser, migrated from Apache Mime to Okhttp, memory optimisations, caching, etc.)

- Wrote an image processing module from scratch which uses independent RGB color transformation technique to create custom image filters. Later we open sourced it on Github and is now very well received in the open source community.
- Worked towards standardization of code structure (created UIKit, paymentsKit etc)
- Single-handedly built v0 of Deals Android app from scratch.
- Increased uptime of Services app by 2x via battery optimizations.
- Managed and pushed few releases of other Android apps like Zomato Order and Merchant app.
- Wrote a cron in python which reads CSV from Google's cloud storage and sends out weekly analytics report of country wise installs and uninstalls of the android app.

◉ Software Development Intern   Chandigarh, India (2015)

Zscaler

As a mobile Development Team at Zscaler, our focus was to secure all the traffic from the client and enforce policies applied by the Corporations on devices managed by them. Got the opportunity to learn about Zscaler Product, Networking Tools, Cloud Services and much more. Gained experience of working in a team as well as working individually as a sole developer and taking responsibilities.

- Wrote a CI script in python which builds the project, when successful uploads it to AWS bucket else sends mail attached error log.
- Worked UI of Zscaler Application and SecureAgent.
- Developed Common Logging Library
- Worked on over the air Distribution of applications.

Skills

Development: Android Development, Android Studio, Kotlin, Javascript, Node Js, Express, Jquery, React, HTML/CSS, Python, Mysql, Redis, MongoDB (Learning), RXJava (Learning), Linux, Ubuntu, Java, Regex, DevOps, version-control, Testing (ex. JUnit, mocha)

Management: Sprint planning, continuous integration, team building, design/feature thinking, documentation, work, agile development delegation, quality assurance, ownership, handling requirement conflicts, feasibility analysis.

Design: Wireframing, rapid prototyping, Sketch, Photoshop, UI/UX design, usability.

Side Projects

I often contribute to Open Source. Some of my popular contributions:

- Created native Image Processing Library for Android. It has over **2.1k stars** on Github.
- Published android library to create buttons with Twitter's heart like animation. Designed to drive engagement in the app. It has **1k stars** on Github.
- Published a highly configurable library for Android to indicate progress and is natively created for Android Platform. It has over **300 stars** on Github.

I have also worked on few side projects like Lazy Music (switch songs just by shaking phone), Movie Memo (rate and maintain a watchlist of your favorite movies), Crazy Driver (2D game based on LibGDX game engine), Subtle Wallpapers, etc.

Education

Bachelor of Engineering, Computer Science Engineering   Chandigarh, India (2011-2015)
University Institute of Engineering & Technology, Panjab University   GPA 8.1/10

Achievements

- Co-Founded Videoder, an entertainment app which now has millions of fans all over the world.
- Initiated first Zomato's contribution to open source community by publishing AndroidPhotoFilters which was trending on Github for a couple of weeks and now has 1000+ stars.
- Cleared 5 day SSB interview for NDA admission, which required me to show leadership, critical thinking, and fitness.
- Selected for JENESYS in 2011, where I got a chance to experience Japan's tech, culture, and education.
- Topped 10th board exams with 96.5% and got merit certificate in the Hindi language.

Interests

Entrepreneurship, working out, mentorship, creativity, typography, failing, learning, starting over, reading.