
Param Aggarwal

+91 9742364923
paramaggarwal@gmail.com

Bengaluru, India
Experience: 11 years
www.paramaggarwal.com

Talks

[JSFoo 2019](#)
[JSFoo 2014](#)
[JSFoo 2013](#)

Profiles

[LinkedIn](#) | [GitHub](#)
[Medium](#) | [Twitter](#)

Frontend

React Native
Flutter (Dart)
React (JavaScript)

Backend

Node.js (TypeScript)
Go | Java
MongoDB | MySQL

Education

IIT Allahabad
B.Tech, 2008-12

Groww — Senior Engineering Manager

Jan 2023 - Current

Mutual Funds & Groww Balance

- Leading a team of 4 members, growing India's largest online MF provider further.
- Drove the migration of MF to RN, away from hybrid stack. This sped up feature delivery due to reduced dev effort and web team could also now contribute.
- Led the migration from email to phone number for tracking and importing external funds into Groww, which gave 3x improvement in conversion due to ease-of-use.
- Worked closely with the product to redesign the UI which explains the breakup of your outstanding stocks balance to the customer.
- Introduced monthly RCA reviews for app issues. Organised app demos before code freeze to sync all teams on outgoing app release. Aligned dev effort to fortnightly app deployments to ensure we meet tight SEBI compliance deadlines.

Cult.fit — Engineering Manager

Nov 2019 - Jan 2023

Cult Gym Experience & Workout Planner

- Leading a team of 7 members, drove the efforts to migrate from React Native to Flutter to improve guided-workout screen performance on customer app and revamped trainer app to increase guidance given to users by trainers.

Therapy Marketplace

- Built self-serve class management portal to empower operations team. Evangelised no-code approach of building internal tools using *AppSmith* in the company.
- Drove future direction with product and design team. Revamped legacy Java/MySQL backend to launch variable pricing for a marketplace business model.

Companion App for Cultsport Workout Equipment

- Led the teams from two acquired companies, who were new to Flutter, in building bluetooth-connected equipment companion app for cultROW.
- Defined roadmap to build supporting experience for upcoming workout hardware launches with video streaming and BLE connectivity via Flutter in existing app.

At-home Workouts (Cult Live)

- Led team of 6 members in growing from 1K to 80K monthly paying customers.
- Pitched new homepage for better discovery of workouts library, revamped codebase to resolve app hang issues during workout and re-wrote Chromecast support to be completely reliable. These efforts halved customer support tickets on the team.
- Built critical debugging framework to help look into session-level performance issues with ML inference (energy score calculated on-device using camera) and video streaming on mobile. Designed and built a complete solution to AB test different ML models for energy score calculation.

Flipkart — Software Engineer 3

July 2018 - Nov 2019

Flipkart in Hindi & Flipkart Pre-order for BBD

- Designed language handling solution for web & react-native properties and led implementation of app/web UI changes for pre-order functionality for BBD sale.
-

Craftworks Incubator — Founding Engineer

May 2017 - July 2018

Ideated, designed and built three different products from scratch:

- Caliber: A recruitment platform that added verified technical interview results to your resume using trusted recruiters, built with MongoDB and Node.js.
- Bigshow: A prize-money live-trivia video streaming game meant for effective marketing and advertising, built in Go and scaled to 5000 concurrent players.
- Kubric: A no-code video-generator that allowed personalizing video ads to each individual customer, built with Node.js and Google Cloud.

Myntra — Technical Lead

Oct 2013 - Feb 2017

AI-assisted Chat

- Led a team of 4 in developing backend + app + portal to support large number of concurrent chats for customer support agents to intervene. Built the entity extraction feature to understand intent of customer's message and auto-respond.

Cortex Homepage Configuration Portal

- Designed + built the server-driven widget configuration tool for merchandising team - written in Node.js and RethinkDB. Also implemented app-side rendering library to display the banners and widgets which could be dynamically generated.

Fashion Feed

- Pitched the use of RN for this project. Solved memory and persistence issues as it was a new framework and shared learnings in RN community. Became first engineer to adopt React Native in the company.
- The design decisions I made to enable this hybrid app were then replicated on Android app, and are still live on both mobile apps today.

Myntra iOS App

- Took the initiative to build the first iOS App prototype because of which we shipped the entire app 3 months before the original timeline. It contributes 22% revenue.

Desktop Website

- Existing PHP stack would fail during EORS sale, re-wrote the stack in Node.js. Was a huge success and was tested to run on a single server during regular load. Also owned the deployment infra for this app which supported instant rollbacks.

NTU, Singapore — Research Assistant

Feb 2012 - June 2012

New Curriculum for Computer Science Students

- Built the curriculum software from scratch for the in-house Teaching Auxiliary Board (TAB) that was used for all the embedded systems classes of NTU graduate students.

Feemo Electronics — Founder

Sept 2009 - Sept 2012

First Sparkfun Distributor in India

- Sold embedded system parts like Arduino, a wide range of sensors and other breakout boards for educational, hobby and professional use.
-