

Ritesh Kadmawala

Distributed Engineering Leader

Full stack software developer with experience across the stack (Backend, Frontend, Mobile, Devops and Machine Learning). 7+ Years of experience managing and leading distributed remote engineering teams.

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SKILLS

Python Golang Java Javascript Nodejs Android Kotlin React React Native HTML Postgres MySQL
Redis Docker AWS Ansible Terraform ELK

WORK EXPERIENCE

Team Lead (Risk and Security Team)

Xapo

01/2018 – Present

Remote

Achievements/Tasks

- Lead and own the entire risk and fraud detection team at Xapo. Responsible for all architectural and design decisions for the product.
- Redesigned and rebuilt the complete fraud detection system from scratch involving 8 microservices. Led to order of magnitude improvement in performance (Avg of < 3 seconds as compared to ~ 5 mins earlier) as well strong error tolerance.
- Designed an architecture for a Proof of Reserves system built using Merkle tree on bitcoin blockchain.
- Reduced false positives by 50% by conceptualising and development of new ML based fraud detection Engine.

Cofounder and CTO

Loanzen

08/2015 – 12/2017

Remote

Built an innovative fin-tech venture focused on lending to unbanked SME Sector

Achievements/Tasks

- Conceptualized and led development of multiple innovative digital lending products with fast turn around times.
- Hired and built the entire engineering team. Set an engineering culture focused on autonomy, openness, transparency, critical thinking and getting things done. Also ensured best coding practices and strong culture of code reviews.
- Designed an in-house workflow for project management and development inspired by Basecamp.
- Built a complete automated CI/CD workflow for our react native mobile application using fastlane. The pipeline used to actually deploy the app using microsoft codepush technology.
- Setup infrastructure and deployment process for the backend on AWS using Docker, Gunicorn, Nginx and CircleCI.
- Led development of an innovative continuous credit monitoring platform. The platform consisted of an android app that collected transactional SMS from our customers phone with minimum impact on the battery. Also led to a development of an inhouse hierarchical ML model that helped us to classify SMS into different categories which fed into our credit model.

Cofounder and CTO

Voxapp

01/2013 – 05/2015

Remote

An enterprise grade SaaS platform to conduct marketing Research Surveys.

Achievements/Tasks

- Built and led a team of remote engineers ensuring high code quality, best coding practices and strong culture of code reviews.
- Worked with the cofounder and CEO to pivot the product after failing to hit product market fit in first iteration.
- Built an hybrid survey app (phonegap) that was packaged as android app, chrome desktop app as well as served as webapp. The survey app also supported server side rendering of questions for feature phones. [🔗](#)
- Designed tooling that allowed us to update our survey apps without needing update of the entire android app.
- Led the development of our entire survey platform (both backend and frontend) that allowed wide variety of question types and customizations. It also supported adding complex logic using javascript, as well as supported multiple languages.

WORK EXPERIENCE

Head of Engineering

GetrightPrice

02/2012 – 12/2012

Mumbai, India

A next generation online + offline price comparison + product discovery engine

Achievements/Tasks

- Built a rule based engine that allowed searching electronics by natural language queries like "Android Phone with high quality camera less than 10K".
- Designed a crawling framework that made it extremely easy to add crawlers for new product category /sites.
- Worked with the Product and Growth team and built small growth hacks to help with adoption and growth of the product.

Research Engineer Intern

Utopia Compression

06/2010 – 12/2010

Los Angeles, CA, USA

Achievements/Tasks

- Worked on a prototype for a generic planning and a scheduling system based on principles and algorithms from Artificial Intelligence literature. I had major contribution in overall system architecture and the algorithm design and was solely responsible for developing a reactive module for this system. I also developed a simple cross platform GUI for the system. (C++, QT)
- Developed a multi label classifier that performs fusion of different bio signals collected from various patients admitted in cardiac ICU's and classify them into 3 types of ailments (MATLAB,WEKA)

PERSONAL PROJECTS

Pirlo (<https://pirlo.io>) (05/2019 – Present)

- Conducted a lot of customer interviews to understand customer pain points. Also performed some sales call to sell the product.
- Built a complete no code functional testing platform for mobile applications.
- Designed an innovative mobile app that allows customers to create test cases just by manually testing the app once on their devices.
- Designed a maintenance engine that helped to automatically self heal the tests if the app changes.
- Designed a test engine that can run the generated tests on different cloud providers with intelligent timeout handling, error handling and retry capabilities.

Malvo (10/2017 – 12/2017)

- Built a complete solution that allowed publishers to use crypto (monero) mining instead of using ads
- Worked on building an SDK that could allow mobile developers to mine monero in the background instead of using ads

Bitmail (08/2017 – 10/2017)

- Designed an anti spam dapp using ethereum smart contracts to help people receive ethereum for reading emails from unknown senders.

PUBLICATIONS

Publication Type

OCRDroid - A Framework to Digitize Text on Smart Phones , MobiCase 2009

Author(s)

Mi Zhang, Anand Joshi, Ritesh Kadmawala, Karthik Dantu, Sameera Poduri, Gaurav S. Sukhatme

2009

MobiCASE 2009: Mobile Computing, Applications, and Services

Developed a distributed two-tier framework for using OCR on android enabled smart phones. Also developed two applications namely "Personal Finance Manager" and a "Pocket Reader" on this framework

EDUCATION

MS Computer Science

University of Southern California

05/2010

Los Angeles, USA