



Karthikraj Duraisamy



Passionate for Tech | Driven by intellectual curiosity | Experience building SaaS products | Entrepreneurial Mindset

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Professional Summary

- Total of 11+ years experience in software development & last 5+ years in leading Agile teams. Built reliable, scalable SaaS products from MVP to early growth stages, Products that have seen >\$2M ARR & Scalable infrastructure with >1M I/O per month.
- Experience in building modern tech infrastructures based on Serverless, JAMStack using ReactJS, Redux, NodeJS, MongoDB, Gatsby, NextJS & modern mobile apps using Flutter, Native Android, Native iOS, and voice apps on Amazon Alexa & Google Assistant.
- Proven experience of transforming ideas into delightful user experiences by performing an in-depth study of stakeholder's and user's needs which in turn, helps me to build the sustainable team and tech infrastructure.
- Created/transformed existing teams (by establishing workflows that enhance productivity) in such a way that the team keeps progressing even in my absence.
- Hands-on coding experience in Full-stack Web, Full-stack Mobile, Full-stack Voice apps.



Work experience

Software Development Manager

Cashfree Payments - Bangalore – (June 2021 - Present) - 10+ Months

- Built and setup 2 string and super reliable teams from scratch
- Managed 5 teams with 15+ members overall
- Teams with diversity of interests like Operational Excellence, Data Engg, Dashboard, User Onboarding and Website
- Leading No/Low-Code, JAMStack approaches in the organisation
- Adapting and supporting to the efforts of Agile practices and OKR based practices
- Contributing to the effort of optimising the Microservices infrastructure and scaling efforts for the growth stage startup
- Reduced the cost of Internal Tools development by migrating to the No/Low code tools
- Enabled the internal teams to do 5x more than the present by helping building tools to access data and take smarter decisions and being more agile



Tech Stack: React, Storybook, Gatsby.js, Node.js, K8s, Docker, MySQL, MongoDB, GoLang, Java, PHP

Internal Tooling: OKR for Jira, JIRA, Slack, Google Office Suite

3rd Party Integrations: Sentry, Sonar etc...

CTO & Co-Founder

OYKU Tech, Inc - Bangalore – (Oct 2018 - Apr 2021) - 2+ Years

- Built and managed entire infrastructure from scratch to delivery, including mobile applications auto-generation & voice apps. Involved in all aspects of product strategy and executions.
- Efficient cloud strategy resulting in <\$10 backend for 1M+ I/O per month.

- Successfully launched 2 Voice app products and 1 SaaS Product with a No-Code app builder.
- Built an effective tech infrastructure that runs around the clock without ever worry about scaling and downtime. Scalable yet cost-effective.
- Established customer-centric product management, where customer data drives the roadmap.
- Developed the team to establish technical credibility as a 4+ person company servicing podcasters around the world. Brought the SaaS product up fully functional from concept to operational in 4 months with 4 members team.
- Accelerated user onboarding speed by designing and implementing an effective onboarding. (From 15-20 mins onboarding, brought down to 2-3 mins)
- Led the architecting effort to reduce deployment time, by automating with CI/CD pipelines.
- Led the products to win Competitions, Hackathons, and online Tournaments that resulted in monetary rewards and Remote Accelerator funding.



Tech Stack: React, Redux, Material UI, Gatsby.js, Node.js, AWS Services (Notably S3, CloudFront, EC2, RDS, Lambda, SAM, CloudFormation, DynamoDB) MongoDB, Mongoose, Postgres, JWT, OAS 3.0, GitLab CI/CD, Android, iOS, Alexa, Google Assistant, Firebase.

Internal Tooling: JIRA, Slack, Airtable, Google Office Suite, Notion, Intercom, Kampsite

3rd Party Integrations: Stripe, Sentry, Slack, Airtable, Google Sheets, Patreon, Intercom, MailChimp

Engineering Manager & Innovation Lead [Founding Team Member]

Abaqus, Inc - Bangalore – (Feb 2012 - Aug 2018) - 6+ Years

- Founding engineer & helped revenue growth to \$2M ARR. While leaving, I was the Engineering Manager with hands-on coding.
- Helped with driving innovation. Oversaw the implementation of Agile & Lean methodologies implementation. Introduced processes and frameworks in product development to help build an innovative, technology-driven environment and culture.
- Led transition to the modern tools and technologies and in-house SDK developments. Trained the team for the transition.
- Ensured HIPPA compliance throughout the roadmap implementation.
- Accelerated user onboarding speed by designing an effective onboarding. (From 30-45 mins onboarding, brought down to 10-20 mins)
- Implemented and guided the team on an analytics-driven approach for product roadmap prioritization.
- Designed and implemented the push notification server in-house (using GCM and APNS behind the scene) that saved thousands of dollars per year for the company.
- Helped to scale the tech infrastructure of a 3 person team to 10+.



Tech Stack: Android, iOS, Firebase, Javascript, Material UI, Java, Java Spring, PayPal API's, Crashlytics, Pendo, GCM, APNS

Internal Tooling: JIRA, Slack, Zeplin, Google Office Suite, Sketch, InVision, StatusHero

Android Developer [Founding Team Member]

Petalflame Innovative Tech Pvt Ltd - Bangalore – (Aug 2011 - Jan 2012) - 6 Months

- Worked directly with the CEO. Contributed to the development of 'Social feeds integrated home screen' application in Android.



Tech Stack: Android, Facebook Graph API

Android Development Intern

MindTree Pvt Ltd - *Chennai* – (Oct 2010 - Jan 2011) - 4 Months

- Contributed to the 4 member team to develop Cloud File Sharing application in Android. Responsible for reporting and presenting on behalf of the team.



Tech Stack: Android, Javascript



Consulting & Freelance

Technology Consultant at **Cashkumar** - (Sep 2018 - Jan 2019) - 5 Months -**100k+ Downloads**

- Led the architecting effort of Mobile apps, developed and delivered 2 apps in 4 months, reduced no. of app updates by implementing remote configuration strategy.
- Built technology & process which reduced the no. of developer resources to maintain the apps. Zero-touch for months together after the completion.

Technology Consultant at **Abaqus Inc** - (Aug 2019 - Feb 2020) - 6 Months

- Saved thousands of dollars for the company by bringing the major 3rd party integrations developed as internal SDKs.
- Successfully implemented release cycle management process to help the team organize well. Implemented a better approach to manage the QA & release efforts while still taking care of the tech support & debugging efforts.

Freelance Developer - **Siteabook Android App** - **100k+ Downloads** - 2018

- Developed the Android app from scratch and released it.

Technology Consulting at **Fluentsoft technologies** - Dec 2020

- Helped the team to develop mobile apps and choosing to opt technology stack.

Freelance Developer at KreativeIndia - Mobile Application development - 2016

- Developed a School-to-Home Communication Android application. Worked with a remote team of backend developers and designers.

Freelance Developer at StealthMode Calendar Based Startup - Oct 2020

- Helped with Serverless cloud strategy & implementation of the backend. Entire backend infrastructure deployed using Serverless Config file and one command deploy.



Consulting Tech Stack: Android, Firebase, AWS Services, Serverless Backend on AWS, Serverless Framework, MySQL, Sequelize, SQLite, Postgresql, ReactJS, Node.js, Express.js, ReactNative, Ionic Framework, NextJS, Twilio API's



Consulting Tools: Asana, Slack, Adobe XD, Microsoft Teams, Notion, Trello, git, svn, Canva, InVision, JIRA, Excalidraw, Balsamiq, Netlify, Glitch, Figma



Open Source

ShapesImage - Android Library

Created and open-sourced - vector drawable-based library for achieving custom shapes ImageView in Android.



Articles & Links

- [Self Hosted/Managed MongoDB Servers](#)
- [Scrolling header in detail - Android App bar](#)
- [Mastering your development skills with online resources](#)
- [Code obfuscation and better use of ProGuard](#)

- [Github Gist Profile](#)
- [Medium.com Profile](#)



Awards

- Won [Pioneer Startup](#) tournament - by Pioneerdotapp remote Accelerator
- Recognized as [Alexa Pioneer](#) - by Amazon
- Awarded 'Alexa Star Developer 2019' - by Amazon
- Won Devpost Hackathon - [Best Bed Time Experience Alexa Skill](#) - by Amazon
- Won 'Technology Leader Android' Competition - 2017 - by Udacity
- Won National level Android Hackathon - 2017 - by Udacity



Education

Master's Degree in Computer Applications

2011 - 82% - Anna University - Chennai