

Synergies in eCommerce , eLearning, IoT.

I have been doing startups for last 5 years and have created MVPs for ecommerce, elearning, enterprise apps, utility apps. It has been a challenging journey and has required me to know breadth, a bit more than depth. I work on Nodejs, Android/iOS native, Angular/Backbone, Data science algorithms and embedded stacks/C/C++.

Startup Experience Overview

Period	Internal Projects	Highlights
Since Mid 2012	Self owned IT services company with a team of 5 members in past	I was involved in getting business and delivering software products. We have build various apps for our clients. Building Mobile and Webs Products on Android, iOS and MEAN stack. (Website: http://flipflopapp.com/ , Github: goo.gl/mHFFlw)
Since March 2015	Archiejs.org (work in progress)	An open-source nodejs framework suitable for building, scalable APIs using micro-services architecture.
	Demo available	Building video application on iOS for creating video abstracts, video blogs and other KT usecases.
	trialroom.me (Demo available)	Working on image processing technologies and processes for automation of catalog image generation for ecommerce stores.
Since May 2011 - March 2015	Experiments in content, news and e-learning	Applied for a patent on search technology (goo.gl/1iOkTd)
May 2011 - July 2010	SilentNinja.co – an intelligent call blocker	Live on app store, largely overlaps google priority feature in versions 5.0 now. (Link: goo.gl/DJEJy1)
	EDEDAA – Art exhibitions along staircases in corporates	I was the Curator & Planner of a startup in arts industry (ededaa.blogspot.in)

Employment Experience Overview

Period	Org.	Responsibilities	Highlights
July 2010 - Feb 2009	Qualcomm	Customer issues related to audio multimedia and stability	I was a single Hyderabad PoC for any multimedia audio issues on Qualcomm chipsets Arm 9 + Arm 11 and Arm 9 + Scorpion chipsets, coordinating across multiple teams and spread across regions.
Jan 2009 - July 2006	Conexant/NXP Semi-conductors	Open source tools and technologies (mainly linux kernel) and BSP development for set-top-boxes.	Suggested a patch to Linux kernel community, titled "O_DIRECT patch for processors with VIPT cache for mainline kernel" (Link: goo.gl/2QEwGi)

Technical competency

Year	Tech and Role	Modules, Projects and Technologies
2011 -15	Web & Mobile applications Role: Startup Founder; Freelancer	A few successfully delivered projects: 1. Convflow.com - for idea generation, 2. Silentninja.co - for reducing the noise on your phone 3. Happco.com - a happiness app Failed experiments (internal): 1. newsninja.co / ecosystm.co – experiments with news and discussions 2. rewq.co – experiments with elearning and knowledge management <u>Languages:</u> nodejs, android (java), swift (ios), angular (backbone, sencha touch), C/openCV etc.
2009 -10	Smart phone Role: Android audio multimedia Customer Engineer	<u>Products:</u> LG GT540 (Optimus), Samsung Galaxy ...many more of 7x series <u>Modules:</u> Android music application, Android framework classes, Opencore PVMF, Userspace HAL, Audio drivers, Hardware drivers for audio devices (like headset, BT headset, etc), proprietary audio routing mechanisms, etc <u>Languages:</u> C, C++, Java <u>Other responsibilities:</u> Customer training, Documentation, Software architecture support for customers
2006 -09	Set top boxes Role: Engineer in Open source and BSP team	<u>Products:</u> Nevis, Pecos, Trinity (and variants) <u>Modules:</u> Linux kernel, Uboot, Proprietary kernel abstraction layer (in kernel space and user space), Busybox, Uclibc library, GDB, etc <u>BSP areas:</u> Arm 11 application processor bring-up, porting Uboot, Memory management related issues, Arm related issues (caching), etc <u>Languages:</u> C, Arm assembly, Lauterbach scripting, Makefiles

Educational Data

<i>Degree</i>	<i>Year</i>	<i>University</i>	<i>Highlights</i>
Master of Computer Applications	2006	Guru Gobind Singh Indrap. Univ. (GGSIPU)	Algebraic study of discrete multidimensional signal processing, unpublished work, MCA 3 rd sem, 2004 (Link: goo.gl/97LYOd)
Bachelor of Computer Applications	2003	Delhi University	Tried to build a very primitive OS in assembly language

Personal Data

Date of Birth, Nationality	27-11-81, INDIAN
Languages	English, Hindi
Interests	Playing flute, Cycling, Networking, Social work, Writing, Learning about cultures
Website	http://flipflopapp.com/
Github	http://www.github.com/flipflopapp
Engineering Blog	https://medium.com/engineering-notes
Hobby Blog	https://medium.com/@navalsaini/