Naval Saini

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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 March 2015	Archiejs *(work in progress)* (https://github.com/archiejs)	An open-source nodejs framework suitable for building polyglot and micro-services architecture based applications.
	Demo on request	Building video application on iOS for creating video abstracts, video blogs and other knowledge transfer usecases.
2012-2015	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)
2012-2015	Experiments in content, news and e-learning	Applied for a patent on search technology (goo.gl/1iOkTd)
	SilentNinja.co – an intelligent call blocker	Live on app store, largely overlaps google priority feature in versions 5.0 now. (Link: goo.gl/DJEJy1)
Mid 2011 – July 2010	EDEDAA – Art exhibitions along staircases in corporates	I was the Curator & Planner of a startup in arts industry (http://ededaa.blogsopt.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 Hyderbad PoC for any multimedia audio issues on Qualcomm chipsets Arm 9 + Arm 11 and Arm 9 + Scorpian 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 3. trialroom.me *(demo on request)* – we created a prototype for a virtual trialroom on your computer using image processing technologies and knowledge of fashion photography. Languages: nodejs, android (java), swift (ios), angular (backbone, sencha touch), C/openCV etc.
2009 -10	Smart phone **Role:** Android audio multimedia Customer Engineer	Products: LG GT540 (Optimus), Samsung Galaxy …many more of 7x series Modules: 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 Languages: C, C++, Java Other responsibilities: Customer training, Documentation, Software architecture support for customers
2006 -09	Set top boxes **Role:** Engineer in Open source and BSP team	Products: Nevis, Pecos, Trinity (and variants) Modules: Linux kernel, Uboot, Proprietary kernel abstraction layer (in kernel space and user space), Busybox, Uclibc library, GDB, etc BSP areas: Arm 11 application processor bring-up, porting Uboot, Memory management related issues, Arm related issues (caching), etc Languages: C, Arm assembly, Lauterbach scripting, Makefiles

Educational Data

Degree	Year	University	Highlights
Master of Computer Applications	2006	Guru Gobind Singh Indrap. Univ. (GGSIPU)	Algebraic study of discrete multidimensional signal processing, unpublished work, MCA 3rd 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/