

I have 10 years of experience - 5 years in corporate and 5 years in startups. I now work on web and mobile applications for consumer internet space. I used to work on embedded systems earlier.

Employment Experience Overview

| Year | Org. | Responsibilities | Highlights |
|-------------------------|--|---|---|
| July 2016 - Nov 2015 | JioMoney, Reliance, Bangalore <i>Reliance has invested \$27 billion in launching multiple digital services and a 4G network in India.</i> | To develop a high concurrency buses data aggregator, for finding and booking bus tickets (2 months) | We worked in a team of 3 backend developers and had a very quick turnaround time. We are able to aggregate buses from many different aggregators in realtime and provide more buses on our platform than our competition. (tech: nodejs, es6/7, postgres) |
| | | To develop a backend for a mobile wallet (3 months) | We worked in a team of 5 developers. I defined an architecture for the server and coded some modules in it, including the ISO 8583 client module. (tech: java play, oracle db, actor system) |
| | | To develop automation testsuite for android and iOS wallet application (2 months) | We worked in a team of 3 developers and wrote about 250-300 integration testcases for Android and iOS apps from scratch. (tech: calabash, gerkin, page-object-model) |
| 15 - 10 | Flipflopapp | Technology and product cofounder | Developing web and mobile products, conceptualizing and product managing features, etc |
| 10 - 09 | 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. |
| 09 - 06 | 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: https://goo.gl/2QEwGi) |

Open source and patents

| Project Title | Highlights |
|--|---|
| Archiejs - a Nodejs Dependency Injection Framework | An open-source nodejs framework suitable for building large nodejs applications - https://github.com/archiejs |
| Experiments in content, news and e-learning | Applied for a US patent on search technology - http://goo.gl/KTiFn1 |

Startup Experience Overview

| Year | Internal Projects | Highlights |
|---------|---------------------------------|--|
| 12 - 15 | A education app Demo on request | Building video application on iOS for creating video abstracts, video blogs and other knowledge transfer usecases. (tech: swift) |

| Year | Internal Projects | Highlights |
|---------|---|--|
| | A fashion tech product | I worked for a few months on a fashion technology product where users can try garments online. I made a POC and here is a video link to it - click to see the demo (tech: C, openCV) |
| | SilentNinja - A call blocking application | An application which intelligently blocks incoming calls on android phones (link: www.silentninja.co) (tech: Android Java) |
| 11 - 10 | EDEDAA - Art exhibitions along staircases in corporates | I was the Curator & Planner of a startup in arts industry (http://ededaa.blogsopt.in) |

Technologies

| Year | Role and Industry | Modules, Projects and Technologies |
|----------|---|---|
| 2011 -15 | Consulting in Web & Mobile applications | <u>Live services & products</u> : Built various mobile applications and websites. <u>Languages</u> : nodejs, java play framework, android (java), swift (ios), angular (backbone, sencha touch), C/openCV etc. |
| 2009 -10 | 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 | Engineer in linux kernel team for set-top-boxes | <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

| 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 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

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|------------------|---|
| Nationality | Indian |
| Languages | English, Hindi |
| Github | http://www.github.com/archiejs , http://www.github.com/flipflopapp |
| Engineering Blog | https://medium.com/engineering-notes |