Synergies in eCommerce , eLearning, IoT.

**Naval Saini**

[navalnovel@gmail.com](mailto:navalnovel@gmail.com)

+91-9560375909

New Delhi, India

I have 10 years of experience - 5 years in corporate and 5 years in startups. I know breadth, a bit more than depth. I work on Nodejs/Javaplay server dev, Android/iOS native, Angular/Backbone, some data science algorithms and embedded stacks/C/C++.

Employment Experience Overview

| *Period* | *Org.* | *Responsibilities* | *Highlights* |
| --- | --- | --- | --- |
| Since Nov 2015 | Consultant,  JioMoney Bangalore, Reliance Jio | Server development for mass transit application (Since May). | We are building a redbus like service using NodeJS in the backend. |
| Server development for mobile wallet (Feb - May) | Started the work of writing JioWallet server using JavaPlay framework. I worked building the first version of the server - though it was not a scalable version - but was more of an exercise towards the same. |
| Automated testcases for android and iOS apps (Dec -Jan) | I developed calabash based automated testcases for Android and iOS, a part of JioMoney release process. I got very interesting insights into challenges faced by testers and how automation can be employed to solve CI/CD challenges faced by orgs. |
| 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](https://goo.gl/2qewgi)) |

Open source and patents

|  |  |  |
| --- | --- | --- |
| *Period* | *Project Title* | *Highlights* |
| 2015  Open source and products | Archiejs *(work in progress)* (<https://github.com/archiejs>) | An open-source nodejs framework suitable for building polyglot and micro-services architecture based applications. |
| Experiments in content, news and e-learning | Applied for a US patent on search technology ([goo.gl/1iOkTd](https://goo.gl/1ioktd)) |

Startup Experience Overview

|  |  |  |
| --- | --- | --- |
| *Period* | *Internal Projects* | *Highlights* |
| 2015  Proof of concepts | A education app Demo on request | Building video application on iOS for creating video abstracts, video blogs and other knowledge transfer usecases. |
| A fashion tech product (<http://trialroom.me>) | 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](https://www.youtube.com/watch?v=WUJizLU6ALo) |
| 2012 -2015  Mostly services | 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](https://goo.gl/mhfflw)) |
| 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](http://ededaa.blogsopt.in/)) |

Technical competency

|  |  |  |
| --- | --- | --- |
| *Year* | *Tech and Role* | *Modules, Projects and Technologies* |
| 2011  -15 | Web & Mobile applications  **Role:**  Startup Founder; Consulting | Live services & products: Built various mobile applications and websites.  Languages: nodejs, java play framework, 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](https://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 |
| Github | <http://www.github.com/archiejs>, <http://www.github.com/flipflopapp> |
| Engineering Blog | https://medium.com/engineering-notes |