



## summary

generalist with masters in computer science and 8+ years' professional experience building internet based software products from the ground up

## education

### masters | computer science

iit kanpur | 2010-12

- research: efficient algorithms for GPU
- advisor: Mainak Chaudhuri

### bachelors | information technology

the northcap university, gurgaon | 2004-08

## skills

### programming languages

experienced

java • C • C++ • Javascript

ad hoc usages

shell • python • perl • prolog • tcl

### general

web/mobile development

android • html/css • php/jsp

languages

english • hindi

## patent

### us patent 8,868,506 | 2014

method and apparatus for digital asset management

## products/projects

flock enterprise communication app

evolpin VCS based DAM

ringo calling app

talk.to cross-platform messaging app

kapow gaming app

## last employment

### directi | jun 2012 - aug 2018

#### senior platform lead | jul 2017 - aug 2018

- act as tech mentor for backend and front end development teams spread across multiple geographic locations.
- work on protocol enhancements to ensure smooth delivery of control and data messages across multiple user facing cross-platform applications using a single micro-services based backend
- design and create APIs allowing integration of external third party apps into our Flock messaging application's platform.
- work on stabilising and enhancing core backend libraries leveraged by all of our micro services

#### platform lead | jul 2016 - jun 2017

- research and develop a certifying authority service for digital signing and electronic verification as per regulations laid by Indian government institutions: RBI and UIDAI
- lead development and maintenance of all gateway services in our micro-services architecture based backend

#### project lead | jul 2015 - jun 2016

- lead and manage android development teams for cross-platform chat messaging products flock and poof developed by directi
- lead and manage development teams for experimental products: android based launcher, android advertisement sdk

#### lead engineer | jul 2014 - jun 2015

- work as senior member in the development team for building android client for cross-platform enterprise messaging application, flock
- create core libraries and tools for the team
- perform code reviews and decide code practices to be followed

#### senior software developer | jul 2013 - jun 2014

- re-architecture and refactor existing code base of android client of messaging application, talk.to
- break entire code base into separate modules
- responsible for development of sms and phonebook modules inside the messaging application, talk.to

#### software developer | jun 2012 - jun 2013

- develop server side bridge for integrating multiple jabber based chat platforms using nodejs, redis and mysql
- create scripts for automated deployment of above mentioned bridge across production boxes
- develop push notification service for windows phone to circumvent inconsistencies in MPNS



## major courses

### masters

advanced algorithms  
advanced computer architecture  
advanced compiler optimisations  
randomised algorithms  
computational complexity

### bachelors

operating system concepts  
network programming  
computer networks  
theory of computation  
distributed systems  
discrete mathematics  
computer graphics  
database management system

## earlier experience

### indian institute of technology kanpur | aug 2010 - may 2012

lab assistant computer science dept.

- configuration and maintenance of department servers (DNS, mail, NFS, backups etc.)
- maintained and updated lab infrastructure i.e. lab system and network devices

### evolphin software | oct 2012 - jun 2010

software developer

- started with dev team size of two
- active involvement in hiring, protocol decisions, infra setup, product design and development of version control system based Digital Asset Management system, Evolphin
- designed client ui using adobe flex, extjs javascript library on client-side and jsp on server side
- Built shell extensions and plugins to integrate with windows/mac OS and with various IDEs and applications ( IntelliJ, adobe photoshop, illustrator etc.)
- developed fully automated bench marking and black-box testing suites in Perl/Python

### accenture services pvt ltd. | jul 2008 - oct 2008

software developer

- data warehousing and data mining using business object and informatica
- adjudged best performer in two month greenfield training

