



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++ • Node.js • Javascript
adhoc 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 

evolphin 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 2008 - 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

