

# Sujee Maniyam

Email : [resume@sujee.net](mailto:resume@sujee.net)

Web : [Tech stuff](#) | [Portfolio](#) | [Blog](#) | [GitHub](#) | [StackOverflow](#) | [LinkedIn](#) | [Resume \(pdf\)](#)

San Francisco Bay Area, USA

**Engineer/Architect with 10+ years of software development experience and an entrepreneurial tick, seeks a great opportunity to design/lead/develop/launch cool stuff.**

## Skills

### • Software Development Experience

- ◆ hands on engineer who worked in a wide range of technologies and can pick up new technologies quickly
- ◆ launched own projects from concept to finished products
- ◆ architected and developed big-data solutions - Hadoop / MapReduce / Hbase / noSQL
- ◆ designed and built scalable web applications
- ◆ developed {iphone-ipad / web / social / enterprise} apps
  
- ◆ startup and enterprise experience
- ◆ excellent verbal and written communication skills. Given talks at various meetups, iPhoneDevCamp ([Talks and Presentations](#)) ; [Tech articles](#)
- ◆ keen Open Source software [user](#), [author](#) and [contributor](#)

• OS : Linux (system admin expertise, servers), MacOS (development), Windows

• Languages: Ruby, Java, PHP, Objective-C / C / C++, Shell (bash), some Python

### • Technologies & Tools :

- ◆ Big data : Hadoop, MapReduce, Hbase, Membase
- ◆ Web : Ruby on Rails, Tornado server (python), LAMP stack, Javascript (Jquery, Prototype, Scriptaculous)
- ◆ iPhone/iPad SDK
- ◆ Databases : mysql (scalability & replication), NOSQL (HBase)
- ◆ Web Services: WSDL/XML/JSON, restful, security
- ◆ Eclipse, Xcode, Linux/MacOS development environment, GIT, Subversion

## Work Experience

### • Independent Developer / Owner : [NODE51 LLC](#). (2009 Nov - Present)

Consulting on **BigData (Hadoop/MapReduce/NoSQL)**, iPhone/iPad applications, Ruby on Rails web apps

#### portfolio

- ◆ **Data warehouse system based on Hadoop @ startup (Online Advertising industry) in San Francisco**

I have architected and developed highly scalable, fault-tolerant data infrastructure for reporting, ad-hoc queries and data analysis. [Read more here.](#)

Technologies used : Hadoop, Hbase, Sqoop, Scribe, Java, Map Reduce , Amazon EC2 infrastructure, Amazon Elastic Map Reduce, MySQL, shell scripts

## Resume of Sujee Maniyam

- ◆ **high performant web service infrastructure using Tornado Web Server @ startup (Online advertising industry) in San Francisco**

Built a high performant / high volume / highly scalable platform for bidding on real-time ad exchanges. [More details](#)

Technologies used : Python, Tornado Web Server, MySQL, ProtoBuf

- ◆ **GazoPa project, Hitachi America Ltd**

[GazoPa](#) is a similar-image-search engine. I built websites/Web services based on Ruby on Rails, backend image crawlers and iPhone apps (client-server)

- ◇ [GazoPa Style iPhone app](#) : Gazopa Style is fashion search using images ('show me dresses that look similar to this photo'). I built the iPhone app to compliment the website. Users can easily upload photos from their iPhone using camera and get the search results. Smooth handling of lots of images loading over the network (lazy loading, network communications in threads, local cache)

Technologies used : Ruby on Rails, MySQL, JQuery, JSON, Webservice, iPhone SDK (UI, networking), three20 iphone library, shell scripts

- ◇ [GazoPa Bloom](#) : This is a social networking site for flower enthusiasts - a pilot project for GazoPa Image Search Engine. Users can upload flower images, rate them and discuss them. Site features full social networking features like friends, activity feeds and badges

Technologies used : Ruby on Rails, MySQL, JQuery, Shell scripts

- ◇ [GazoPa Bloom iPhone app](#) : This is complimenting iPhone app for the Gazopa-Bloom website. Users can easily upload flower images from their iPhone camera or photo-library. Photos are geo-tagged.

Technologies used : iPhone SDK (UI, networking), three20 iPhone library

- **Lead Engineer @ Uloop, Mountain View, CA : (2008 - 2009 Oct)**

Uloop is an online marketplace for students - (books, jobs, housing)

I was the lead engineer in charge of technology.

- ◆ designed a scalable infrastructure for improved performance and scalability (load distribution, mysql database replication, caching). Taken the site through significant growth phase
- ◆ developed and launched major site features. Focus is on clean design, usability and interaction(ajax) ([screenshots](#))

[Technologies : LAMP/php, [Qcode](#) framework]

- **Software Engineer @ IBM, Burlingame, CA : (2002 Feb - 2008)**

Former company Crossworlds was acquired by IBM

- ◆ designed and developed on RFID/EPCIS middleware. Built automated testing framework and incorporated coverage analysis to build process. Customer deployments and support [Websphere server platform, Java, XML]
- ◆ Technical team leader : We added Web Services support for business work flow design tools, making it easier to discover and invoke web services. The project was nominated for an internal IBM award and a [patent was granted \[# 20060271537\]](#) ([screenshot1](#), [screenshot2](#), [screenshot3](#))
- ◆ Eclipse tooling development (JFace, GEF, EMF). Worked on a graphical editor (that is part of [IBM developer suite](#)) that allowed to easily expose an operation as web service - [screenshot](#)
- ◆ Mentoring interns and new engineers

- **Software Engineer @ Crossworlds, Burlingame, CA : (1999 July - 2002 Feb)**

Crossworlds did Application Integration Middleware.

- ◆ designed and developed enterprise (middleware integration) apps in Java

## Resume of Sujee Maniyam

- ◆ Java server performance engineer: Created, benchmarked and profiled prototypes for improved performance. Studied scalability across multi-processor systems. Designed custom performance tools to measure product performance. ([screenshot](#))  
[profiling tools for java/solaris]
- ◆ Solaris platform lead: Responsible for porting the product to Solaris. Promoted portable C++ coding standards. Implemented a build system on Solaris.

## My projects

- **CoverCake**

Founder of [CoverCake.com](#) - CoverCake lets you easily find out books that were featured in TV Shows, Radio Shows and various blogs, and buy the books for your EReader

[iPad application](#)

[Ruby on Rails, REST API / JSON, iOS SDK]

- **Iphone App : Discounts For Me**

Creator of [DiscountsForMe.net](#) - an online member-benefits & discounts directory.

The iphone app shows benefits and discounts available for members of various organizations (public radio stations, auto clubs).

[Ruby on Rails, data spidering, geocoding, REST API / JSON, Iphone SDK]

[App link and screenshots](#)

- Other projects: Facebook app, a card game, google maps mashup, project timer

- Technical articles and HOWTOs, code contributions and [GitHub](#)

## University Education

B.S. in Computer Engineering, [University of Melbourne](#) Australia , 1998

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