

# AMIT KEJRIWAL

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## PROFILE

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- Web Architect with 7.5 years' experience
- Linux, MySQL, PHP, Apache
- Tokyo Tyrant, Redis, Oracle
- Application logging with MongoDB, Elasticsearch, Kibana, neo4j
- AWS, EC2, EBS, S3, SES, SQS, Cloudfront
- Red Hat Certified Engineer - 805010235946217
- Zend Framework, Yii
- Javascript, JQuery, HTML, CSS
- SugarCRM, Vbulletin, SocialEngine, Wordpress, Cscart
- SVN, Git

## PROFESSIONAL EXPERIENCE

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Clues Network Pvt Ltd, New Delhi

Jun' 13 – Present

### Technical Lead

- Application logging and monitoring using MongoDB, Redis, Elasticsearch, Kibana, neo4j.
- Developing and maintaining ecommerce product <http://shopclues.com> built using Cscart
- PHP, MySQL, Solr, Memcache, Akamai CDN
- Backend code and frontend optimization for speed using xDebug, Newrelic, Google PageSpeed
- Order rule changes

plista Gmbh, Berlin

Feb' 13 – Mar' 13

### Backend Developer

- Ad recommendation engine
- PHP and Redis

Fabfurnish.com, Rocket Internet Venture

April' 12 – Feb' 13

### Technical Architect

- Developing and maintaining ecommerce product <http://fabfurnish.com>

- Integration with Microsoft ERP using Zend SOAP Server
- Payments, Email, SMS, Shipping providers integration
- Yii based frontend for eshop
- Zend based backend for ecommerce business rules
- Solr for faceted catalog product listings
- Nginx, Memcache, MySQL
- Interacting and coordinating with other Architects, System Administrators and Team Leads

## **Technology 9 Labs**

**July' 11 – Mar' 12**

### **PHP Team Lead**

- Product Url: <http://beta.bunchnow.com>
- Developing student social networking product using JQuery, Zend framework and SocialEngine
- EBS backed EC2 instances
- S3 storage for static content and backups
- Cloudfront for CDN
- SQS for distributed queueing of tasks
- SES for mail delivery

## **Startive Networks Pty Ltd**

**May' 10 – June' 11**

### **Consultant**

- Forums.com
- EC2, S3, EBS Amazon web services creation and maintenance
- Tokyo Tyrant and Redis Nosql databases for data needs of website.
- Gearman, Apache Solr, Apache tika for distributed processing of website functions
- Automation of server administration tasks using shell scripting and php

## **GREAT MEDIA TECHNOLOGIES**

**Nov' 07 – Apr' 10**

### **Sr. Tech Analyst**

- Customization of open source packages like SugarCRM, VBulletin, Wordpress, PhpBB, PMWiki.
- Used PHP and ASP to write server side components. Used Javascript, Ajax, JSON, CSS, HTML for client side components.
- Application development tools like Nusphere, Dreamweaver, Phpmyadmin, Nusphere Debugger, WebDAV, and Putty. Code version management using Subversion.
- Integration of web based client control panel with SugarCRM for applications like client signup, client records maintenance, support request system, documents and record keeping etc.
- Integration of third party APIs like Google Analytics, Google Maps, Yahoo Contextual Analysis API, Leadpoint leads status APIs with web applications

- Designed databases, tables & indexes and sql tuning in Oracle and MySQL. Written procedures and functions in PL/SQL.
- Worked on developing accounts receivable and accounts payable system and financial report generation.
- Red Hat 5.2 installation and configuration to be used as web server and router. Experience in virtualization technologies like VMWare and XEN.
- Oracle 8i and MySQL 5 administration and backup. Master-Master and Master-Slave replication in MySQL.
- Implementation of VOIP and EPABX system using Asterisk and FreePBX. Asterisk IVR, trunks, outbound – inbound routes, PBX, disa, extensions configuration. Asterisk queue monitoring application development.
- IT infrastructure administration using Zabbix.
- Automation of network monitoring tasks using shell scripting and php
- Generate unique Meta tags for 60000+ forum discussions pages of debtcc.com.
- APC cache, Http compression, PHP network programming support libraries
- Linux ip-routing and network-management services

## **SREI INFRASTRUCTURE FINANCE LIMITED**

**May' 03 - Oct' 04**

### **Asst manager, IT**

- Worked on Oracle SQL-PL/SQL procedures development and Microsoft Active server pages enabled dynamic web-application development.
- Developed Middle-tier component using Microsoft Dynamic link library (DLLs).Written a database-migration script to migrate database from Oracle-ASP powered application to SqlServer-Axapta powered ERP.
- Use Microsoft Visual Basic for Applications (VBA) to format csv database in Axapta required format.

**DETAILS OF THE PROJECTS ARE MENTIONED ON ANNEXURE**

## **PROFESSIONAL AND EDUCATIONAL DEVELOPMENT**

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**AWS Cloud Tour India** – Attended the conference held in New Delhi

**OSI Days 2011** – Attended 3 days conference including seminars and workshops

**YAHOO Open Hack 2011 and 2010** – Participated in 2 days non stop hack

**ORACLE CERTIFIED PROFESSIONAL (DBA)** – Attending course at SQL Star International

**RED HAT CERTIFIED ENGINEER** - Certificate No.: 805010235946217

**MASTER IN COMPUTER APPLICATIONS** – IGNOU, St.Xaviers, Kolkata

## **ADDITIONAL DETAILS**

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**Date of Birth:** 11th July' 1980;

**Language Known:** English

**Current Location:** New Delhi, India

## ANNEXURE

### PROJECTS HANDLED

<b>Title</b>	Student portal development
<b>Client</b>	Technology 9 Labs
<b>HW/SW</b>	PHP, Apache, MySQL (InnoDB), Linux, Zend, Socialengine, jQuery
<b>Description</b>	Write codes in PHP and Zend and configure Socialengine to build social media functionality. Use Linux, MySQL and jQuery alongwith to provide server, database and javascript capabilities

<b>Title</b>	Distributed processing of website functions
<b>Client</b>	Forums.com
<b>SW</b>	Gearman, Apache Solr, Apache tika, PHP, Nginx
<b>Description</b>	Distribute website functions among multiple machines and servers to achieve load balancing and fail-over. Gearman as task distribution server with multiple workers registered to pull tasks from it. Solr as search server to index website user generated content. Tika to parse documents and files uploaded by site users like docs, pdfs, xls etc. Akismet spam checker for user generated content

<b>Title</b>	Client Data Management System
<b>SW</b>	PHP and MySQL based web portal, backend system in SugarCRM
<b>Description</b>	Develop a system which can meet the needs of marketing, client intake, and customer support departments. The system is integrated with the company's web portal so that current and potential customers can interact from web portal & company's staff can interact from the backend system.
<b>Role</b>	Report writing, SugarCRM upgrades safe customization using code hooks and metadata architecture of the CRM system, Support request module development in SugarCRM and integration with web portal.

<b>Title</b>	Amazon web services creation and maintenance
<b>Client</b>	Forums.com
<b>HW/SW</b>	EC2, S3, EBS
<b>Description</b>	Create new EC2 instances and maintain them. S3 buckets as storage server for files, images and large data set. EBS logical volumes creation and snapshotting.

<b>Title</b>	Nosql databases for data needs of website.
<b>Client</b>	Forums.com
<b>SW</b>	Tokyo Tyrant and Redis
<b>Description</b>	Installation of nosql dbs and access from php using client libraries. Use tokyo tyrant for

	key value pairs and redis for list and queue of keys.
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<b>Title</b>	PBX + VOIP system implementation
<b>Client</b>	Grmtech
<b>HW/SW</b>	P4 Quad Core, Polycom IP 650 phones, Sangoma A200 PSTN cards, Centos 5.2, Asterisk, FreePBX
<b>Description</b>	Setup a phone system which allows 15 PSTN lines to be used by 70+ staffs. Each staff can receive call on any line over their distinct extension no. Each staff can make outgoing calls. All calls are recorded. IVR work on each of 15 lines. Other features like voice message, ring groups, agent queues, queue monitoring, call barge in, call transfer, call conferencing also required.
<b>Role</b>	Installation of Centos, Asterisk, FreePBX, Zaptel & Sangoma drivers. Setup ftp server for Polycom phones provisioning. Iax and sip trunks, routes, extensions, queues, and failovers. Custom applications development to monitor queues and regulate call flow

<b>Title</b>	Linux network programming using PHP
<b>SW</b>	Linux iproute and iptables packages, PHP based web interface
<b>Description</b>	Implement a Linux based router to route internet packets based on parameters like source ipaddress, source port number.
<b>Role</b>	Developed web interface for routing rules management

<b>Title</b>	Generate unique meta tags for pages of a web portal
<b>Description</b>	Generated unique meta titles, meta descriptions & meta keywords for 60000+ web pages of a website. Submit web page text contents to Yahoo Contextual Analysis API to obtain keywords in a page. Find two unique sentences throughout all the other 60000+ pages that can be used as title & description.
<b>Role</b>	Developed script in php and put it in crontab to execute once a day.

<b>Title</b>	Website performance optimization
<b>HW/SW</b>	Apache, APC cache, Http compression, Database Replication, Website connection to replicated databases; Hardware: Relocation of website code base to servers to large no. of processors and high amount of RAM
<b>Description</b>	Website's visitors increased during sale season leading to high load and website being unresponsive during peak time. Optimize the performance and increase necessary load taking capacity.
<b>Role</b>	Setup Database replication, Apache server parameters tuning, APC cache

<b>Title</b>	Finance application development
<b>HW/SW</b>	Microsoft ASP, Visual Basic DLLs, Oracle, PL/SQL; Sun Spark and Intel XEON
<b>Description</b>	Assets finance application development and maintenance, Accounts receivable, Accounts payable & Financial Reports.
<b>Role</b>	Oracle SQL-PL/SQL procedures development. Microsoft Active server pages enabled dynamic web-application development; Middle-tier component development using Microsoft Dynamic link library (DLLs).

<b>Title</b>	Data migration from custom web application to Microsoft Dynamics ERP
<b>Description</b>	Transfer data from custom asset finance application to newly purchased ERP Microsoft Dynamics. The enterprise wide ERP is getting implemented so that asset finance, accounting, and hr requirements can be met through a single solution
<b>Role</b>	Written a database-migration script to migrate database from Oracle-ASP powered application to SqlServer-Dynamics powered ERP. Use Microsoft Visual Basic for Applications (VBA) to format CSV database in Dynamics required format.

<b>Title</b>	Servers monitoring using Zabbix
<b>Description</b>	Administration and monitoring of servers using Zabbix
<b>Role</b>	Installation of zabbix agents in servers; Writing custom scripts to monitor server health and integration with zabbix to display script output in zabbix interface; Configure templates, hosts, items, triggers, graphs, screens in zabbix server.

## OTHER PROJECTS

- Web application development tools using HTML, CSS, Ajax, JavaScript, JQuery, YUI, Google Maps, and Google Analytics.
- Maintenance of CentOS services dhcp, network, dns, httpd, iptables using webmin and directly from services configuration files like dhcpd.conf, ifcfg-eths, named.conf, httpd.conf, iptables.conf.
- Installation of CentOS using CD and kickstart.