Shadab Ahmed

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Objective

To work in a team-oriented environment with passionate individuals that will enhance my creative, analytical and professional skills and help create an impact on peoples' lives using technology.

Educational Qualifications

2001-06	Dual Degree (**M.Tech. & B.Tech**) in **Computer Science and Engineering**	*Indian Institute of Technology, Kharagpur*	CGPA 7.5/10.0
2000	CBSE **12th** Grade Examination	*DPS R.K. Puram, New Delhi*	82%
1998	CBSE **10th** Grade Examination	*Doon Public School, New Delhi*	85.80%

Professional Experience

Samuday Web Tech., Mumbai	*Co-Founder, CTO & Chief Developer*	October, 2010 to Present

uniRow	An online meeting and collaboration solution. I designed and implemented this product. **Technologies:** RED5 media server, PHP(Drupal), Flex and OpenLaszlo
uniLearn	A learning management system coupled with live lectures and lecture recordings. **Technologies:** Ruby on Rails, Sass and Coffeescript
FB Videocalling	A video conferencing app for facebook. Written in **Drupal** using **Facebook** API
Samuday Infrastructure	Setting up server monitoring, availability and scaling. **Tools used:** Monit, Amazon AWS API

LimeLabs, Noida	*Senior Software Engineer*	August,2009 - October, 2010

Limedomains.com	Website for purchasing and managing domains, hosting plans and SSL certificates. Worked on hosting provisioning, database scaling, security and deployment. **Technologies:** Ruby on Rails, BackgroundDrb
Limedomains.com Infrastructure	Backend for LimeDomains.com consisting of hosting infrastructure. Worked on Virtual Machine provisioning, database scaling, availability, load balancing, security, deployment and backup. **Technologies:** Cobbler, Capistrano, Xen Hypervisor, Mysql NDB, SuExec and Chroot, ldirectord, heartbeat and GlusterFS

Gridstone Research, Mumbai	*Software Engineer*	April, 2008 - July, 2009

Search Product	Search product is front end for serving data indexed by **Sphinx Search Engine**. Written in python using the **Django** web framework.
GridManager	Gridmanager was developed to scale autoprocess application to process hundreds of thousands of documents using Map-Reduce scheme. This was coded in **Python**
Autoprocess	Autoprocess is a document processing workflow which extracts data from tables and search tags using semantic net techniques. **Technologies**: Microsoft .NET and Python

Globallogic, Noida	*Software Engineer(Associate Architect)*	July, 2006 - March, 2008

ActivePilot	GPS based navigation system for handhelds and mobile phones. **Technology:** .NET Compact Framework
VSJira	VSJira is a **Visual Studio plug-in** which integrates Jira into the Visual Studio IDE. Used soap calls to communicate with JIRA. **Technology:** Microsoft .NET and C#

Technical Skills

Programming Languages: **Ruby, Python, Javascript, PHP, C#, C**

Platforms: **Linux, Mac, Windows, Embedded Systems(Intel 8051 and AVR microcontrollers)**

Web Frameworks/Tools: **Ruby on rails, Django, Node JS, Drupal, jQuery**

Cloud Technologies: **Amazon EC2, Amazon S3, Amazon AWS API**

Databases: **MySQL, SQLite, CouchDB**

Web Servers: **Apache, LightHTTPD, Node.js**

Version control: **SVN and GIT**

Other Tools: **Linux Virtual Server, Xen Hypervisor, GlusterFS, Wireshark Network Analyzer, Cobbler, Postfix, Dovecot, Capistrano, Webistrano, Sphinx Search Engine, bash, sed, awk, vi, grep, apache admin, apt-get etc.**

Other Skills: **Agile** methodology expert. Proficient in project management and code review tools such as **JIRA, Sourceforge and Crucible**

Side Projects/Open source projects

Shadabahmed.com – Maintainer of the source code and upgrade of my personal site. Platform used – Ruby on Rails

LinkPreview - Facebook style links preview generator for ruby. This gem figures out if a link is a video(youtube & vimeo), document(slideshare & scribd) or a web page and fetches information on them including description, thumbnails, title etc

FBVideoChat - Experimental **Plugin for Google Chrome** browser. It modifies facebook chat list and adds a video call icon next to each friend's name. You can have a group video chat using this. Developed in Javascript

Sharedoc - Experimental document sharing site where you can make presentations online. Devloped in Ruby on Rails for front-end and Node.js (socket.io library) for the real-time communication over **Websockets**.

Github profile - https://github.com/shadabahmed

Major Academic Projects

Development of Low-Cost Robotics Platform with a robotics simulator - M.Tech. Project (2006) (Prof. J. Mukhopadhyay, Department of Computer Science & Engg., IIT Kharagpur)

Development of RoboSoccer Module - B.Tech. Project(2005) (Prof. J. Mukhopadhyay, Department of Computer Sc. & Engg., IIT Kgp. and Prof. S.K. Ghosh, SIT, IIT Kharagpur).

Relevant Courses

- Computer Networks, Operating Systems, Design & Analysis of Algorithms, Computer Organization and Architecture and Microprocessors and Microcontrollers.
- Algorithms in Bioinformatics, Probability & Statistics, Cryptography and Network Security, Information Retrieval.
- Cluster & Grid Computing, Internet & Web Technology, Information System Design.

Extracurricular Activities and Awards

- Participated in various college level robotics competitions including Techfest(IIT Bombay) and Kshitij(IIT Kharagpur) .
- Led hall team to 2nd position in inter-hall technology exhibition.
- Academic Excellence award for getting 1st rank in school in 10th std. (1998).
- Awards in various science fests held at school level.