Trainer Profile – Gourav Shah

Profile

Cloud Computing, Chef/Puppet/Ansible/Fabric/Saltstack Configuration Management and Automation, DevOps , Docker/Container , Kubernetes , Docker Swarm, Compose, Continuous Deployment/Integration, Splunk, Virtualization, Vagrant, Production Servers Monitoring, Big Data/Hadoop Ops, GNU/Linux, VoIP, Shell/Python Scripting, PostgreSQL, MySQL, NoSQL, Computer Networks, Information Security, Open Source Technologies, Remote Systems & Server Administration, Project Management, Web Frameworks, LAMP, CMS, SOLR, Corporate Training.

Coaching and Training Experience

- Cloud Computing
- AWS(Amazon Web Services)Administration
- Chef / Puppet/ Ansible
- Virtualization
- Docker and Containers
- Linux Systems Administration
- DevOps and Big Data Administration

Education

B.E. (Computer Science)	Shivaji University, Kolhapur, India	GPA: 3.89/4.0 First Class with Distinction

Training Clientele

- Adobe
- Accenture
- Mindtree
- iGate
- Xoriant
- Intuit
- HCL
- TEKSystems
- Syntel
- Cognizant
- Cambridge Technology Associates
- Royal Bank of Scotland (RBS)

- Zensar
- Bristlecone
- Barco
- Wipro
- Technicolor (Dreamworks Studios)
- Cisco
- Tech Mahindra
- EMC²
- Walmart Labs
- Wells Fargo
- Expedia
- Oracle
- IBM

- Qualcomm
- L&T Infotech
- Altisource
- Unisys
- UST Global
- Societe Generale
- Capgemini
- Austraila and Newzeland Banking Group (ANZ)
- ICTA, Sri Lanka

Employment Details

- **Sep 2012 – Till Date**

  Organization: Initcron Systems / Initcron Systems Pvt. Ltd.

  Initcron is niche DevOps and cloud consulting venture started by Gourav Shah. Initcron Systems Specializes in designing, deploying, monitoring, automating and optimizing cloud infrastructures.

  Designation: Founder and Principal Consultant

  Projects
  - Built Zero Downtime Deployment Systems with Containers, Dockers, Kubernetes /Swarm.
  - Setup and Automation of Openstack based Private Cloud Infrastructure.
  - Created DevPps automation strategies and implemented it with the team for various product startups
  - Automated **AWS** setup for a python based web application with chef for a MNC product company.
  - Created **Ansible** playbooks and creating custom modules to add support for slackware for a silicon valley based startup.
  - Built a devops automated workflow with **chef, jenkins, git**.
  - Designed, deployed and supported **LAMP** based multi region, highly available and scalable web application with **auto scaling**, chef automation etc.
  - Built a **big data** provisioning system with **chef** and **fabric** for enterprise search engine product.
  - Automated RoR web app setup with puppet for a UAE based tender management system.

- **Apr 2012 – Sep 2012**

  Organization: Adobe Systems (Digital Marketing BU)

  Adobe is the global leader in digital marketing and digital media solutions. Its tools and services enable customers to create ground-breaking digital content, deploy it across media and devices, measure and optimize it over time, and achieve greater business success. Adobe helps customers make, manage, measure and monetize their digital content across every channel such as Search Engines, Social Media etc. and screen. Adobe announced acquisition of Efficient Frontier in Dec 2012.

  Designation: Manager, Information Technology

  Responsibilities : (Refer to Efficient Frontier section)

- **Mar 2007 – Mar 2012**

  Organization: Efficient Frontier

  Efficient Frontier is the leading provider of Search Engine Marketing (SEM) solutions, delivering unprecedented performance for advertisers with large-scale, complex search marketing campaigns.

  Through advanced technology and full-service solutions, Efficient Frontier provides clients maximum return on investment (ROI), deliver superior service, and provide efficiency, scalability and predictability.

  Designation: Manager Information Technology / Operations Engineer Team Lead /Operations Engineer

  Responsibilities
  - Day to day management of EF India IT infrastructure including hybrid systems, gateways, DSL connections, servers, databases, EPBX system, printers, VoIP , IT purchase, change management, vendor relation management etc.
  - Support all users in Chennai and Bangalore offices with their account creations, system setup, troubleshooting, training on the essential components as and necessary e.g. bugzilla, mailing lists, cvs, wiki, cv distribution etc.

- Monitor and maintain development, staging and production infrastructure including python applications, postgreSQL databases, Web/UI servers. Use tools such as nagios, custom built ops console, for monitoring. Analyze log files to identify code defects/operational issues, take steps to resolve them. Work closely with various engineering teams to identify, escalate and resolve code related issues.
- Being part of the operations team, be on pager and be on call on rotation basis to provide 24x7 infrastructure support.
- Develop and enhance monitoring tools and provide solutions to enhance various operational environments.
- Play a role of a package maintainer and supervise vendor and jvendor (custom built package distributions for EF built on top of OpenSUSE Linux OS) builds. Write/modify custom makefiles. Manage package updates, migrations.
- Form, expand and head Operations/Techops Team in India. Play a mentor role for new hires

Key Projects

- Enhanced monitoring process by building automation tools.
- Helped ensure a smooth product release process on ongoing basis. This involved following pre-release and post release checklists, monitoring for post release issues and resolve, escalate them in co-ordination with various teams.
- Upgraded network setup with leased line connection, router, gateway to provide reliable and uninterrupted internet/vpn tunnel connections essential for development and voice conferences.
- Setup Bangalore office IT infrastructure including systems, networking equipments, internet connections, vpn tunnels, VoIP, storage, backup system, WiFi, ssh/dhcp/dns servers, inventory management system etc.
- Integrated skype with the EPBX system, Upgraded EPBX system to provide scalable, reliable and better quality solution for voice conferencing needs.
- Secured EF India network by implementing SSH keys, securing WiFi Access Points, anti-virus policies for windows users etc.
- Taken initiation in conceptualizing, testing and partial deployment of providing a virtualized environment based on Xen to manage development environments more effectively.

Feb 2005 – June 2005
Company: Partecs – Participatory Technologies
PPTL is an Italian software company with offices is Belgium and India. The company is focused on developing a software platform for social and political parties in EU to increase the participation levels of members in these organizations.
Designation: Systems & Network Administrator
Responsibilities
- Install, administer and maintain enterprise wide computer systems and networking infrastructure.
- Set up and implement security policies e.g. access control, anti-virus policies, firewall configurations, DMZ etc.
- Remote administration of co-located linux servers running Web, EMail, FTP, DNS, DHCP, IRC services.
- Handle IT Change Management, IT purchases etc.
- Planning the integration of various open source tools like Bacula (backup), MRTG, Snort, rsync etc. to achieve the objectives of the IT department.
Projects
- Migrated Partecs Headquarter IT systems to **Open Source** Platform: Led a team to migrate all the systems and servers in the Partecs Rome Headquarters from multi-platform systems

to Debian based Gnu/Linux OS platform. Prepared implementation plan and exhaustive documents for each step.

- Implemented **VOIP** System: Co-ordinated with the IT team to plan and install VoIP setup between Partecs Brussels Sales Office and Partecs India division. Installed the VoIP hardware, setup the EPABX system and tested the solution for performance.
- Set up Network Monitoring System: Participated in conceptualizing and installation of **Nagios**, open source based network monitoring system, which pro-actively monitors the various parts of the network including the Linux servers and systems and alerts the administrators whenever a critical situation arises.

Freelance Consulting

- **Lucid Imagination (http://www.l**ucidimagination.com**)**
  Wrote Chef recipes and bash scripts to automated ec2 node provisioning, installation and configurations of clusters inclusive of Hadoop, Hbase, Zookeeper, Kafka, Oozie, LucidWorks Enterprise (Solr spin), zabbix monitoring etc.

- **Castedo Ellerman LLC**
  Created puppet modules to automatically provision Managed Automated Trading System based on opensuse linux, c, and java applications. Provisioning and Support.

- **First Class Flyer**
  Setup secure Virtual Private Cloud with AWS VPC, created security policies, and configured OpenVPN gateway for remote access.

- **Ikuna Media (http://www.ikuna.com)**
  Setup highly scalable, redundant, secure infrastructure to manage high traffic web infrastructure with LAMP setup, varnish cache, ha proxy, mysql replication with tungsten, glusterfs distributed filesystem, regional failover etc. The infrastructure automatically scales horizontally as the traffic spikes up during major sports events such as euro cup and Olympics etc. Automated complete technology stack with Puppet.

- **Vcider (http://www.vcider.com)**
  Helped vCider leverage the AWS cloud platform to run Apache Cassandra performance benchmarks in the most cost effective way using ec2 spot instances in multiple regions and puppet to automate configurations and tests. The project involved implementing cutting edge technologies including vCider's virtual private cloud, apache Cassandra NoSQL database,setting up vpc using openvpn tunnels, automating configurations with puppet scripts.

- **Solomid (http://www.solomid.net)**
  Setup auto-scaled, high available LAMP based infrastructure using scalr.net tool for a high traffic site which gets half a million unique visitors a day. Optimized performance with nginix as load balancer, percona as database server with tweaked configs. Automated setup with Puppet/Chef.

- **Monaqasat**
  Wrote Puppet modules to automate configuration for web stack containing Ruby-On-Rails, PostgreSQL database with synchronus replication. This puppet code is used for provisioning and automating development and production environments.

- **Iopex (http://www.iopextech.com)**

Implemented High Availability/ hot backup for zimbra open source edition with ldap replication, imapsync tool etc. Also, implemented email indexing and search solution to search inside text and attachments in any rich text format (text, doc, pdf, tar, zip, xlsx and more) based on **Apache SOLR / Lucene.**

- **Einztein.com (http://www.einztein.com):**
  Analysed, designed and deployed IT infrastructure for a on line educational resource portal **Einztein.com** on amazon EC2 cloud clusters. Setup backups using AWS s3, load balancing with AWS load balancer. Setup, and support Django web framework with replicated MySQL databases. Setup source code management repository using mercurial(hg).

- **Joomla Experts (http://www.jm-experts.com):**
  - Consulted on need basis to support various CMS and web frameworks based on LAMP e.g. Joomla, Drupal, Mambo, PHPmotion, Django etc. Setting up and troubleshooting server as well as framework issues.
  - Helped a luxury designer store (**LuxCouture.com**) to strategize on line marketing and advertising on social bookmarking sites such as stylehive.com to generate more traffic and revenues in turns.
  - SEO for a flash based website of a gymnasium to boost search engine rankings.

Open Source Projects

- **AuthWay :** Led a team Developing Authway, a fully functional wireless gateway with various value added features to set up a completely working wireless HotSpot using embedded Linux OS.
- **Hospital Management System:** Developed a web based Hospital Management System using LAMP technology for Prabha Hospital, India that provides facilities for day to day patient management.
- Delivered a seminar on **Diskless Workstations**, Discussed various advantages of using open source based diskless workstations in the client server based scenarios.
- Conceptualized, Setup and administered **Linux Lab** at The Department of Computer Science & Engineering, RIT, India based on Mandrake Linux platform.
- Setup a computer lab for '**Karaikal Tsunami Ashram**' using Linux, LTSP server, thin clients and edubuntu in association with silicon valley based NGO Home For Hope Inc .

Skillsets

- **Technical Skills**

- Tools: Nagios, Custom Operations Console, Bacula, GNU Make, bugzilla, twiki, GLPI, OCS Inventory NG, bandwidthd, SOLR, Jenkins.
- Virtualization OpenVZ, KVM, Xen, VMWare
- Cloud Computing: Amazon EC2/AWS, Rightscale, Scalr, Eucalyptus, OpenQRM
- VoIP: Freeswitch
- Database: PostgreSQL, MySQL/Percona, Apache Cassandra
- Scripting Languages: Shell, Python
- Configuration Management: Puppet, Chef, Ansible, Saltstack
- Version Control: SVN, GIT, Mercurial
- Operating Systems: Gnu/Linux, FreeBSD, Open Solaris, Windows 98/2000/XP
- Gnu/Linux Distros: Debian, Ubuntu, Mandrake/Mandriva, RedHat/Fedora,OpenSuse, Knoppix, Gentoo, CentOS, Custom Built Distros etc.
- Web Servers Administration: Apache, Nginx, Cherokee, Tomcat
- Server Administration: Postfix, SSH, Samba, FTP, NFS, DNS, IRC, LTSP CMS Administration: Joomla, Drupal, Mambo, PHPMotion,
- Web Frameworks Administration: Turbogears, Pylons, Django

- **Managerial Skills**

- Good written and spoken communication skills
- Good presentation skills
- Good analytical and information representation skills
- Good team dynamics and interpersonal skills

Extra-Curricular Activities

- Founded South Asian Graduate Association (SAGA) at GWU and worked as a Membership Officer.
- Founded Linux Club at GWU and delivered an introductory seminar for open source enthusiasts.
- Elected President (2003-2004), Vice President (2002-2003) of Computer Science Engg. Students Association.
- Member of Organizing Committee for Quantum 2003, a National Level Technical Symposium held at RIT, India.
- Member of ISTE student's chapter for year 2001-2002.
- Organized a series of seminars and workshops on open source technologies at RIT, India.

Awards and Accolades

- Won Spirit Award in Suse Disters Contest by Novell **12'10**
- Top Performer across the teams at Efficient Frontier India for 2007-08 **05'08**
- 'Best Outgoing Student' , Computer Sci & Engg Department, RIT, Sangli **05'04**
- 1st prize in 'Intelligent Marketing' in a State Level event 'STANCE 2003' **02'03**
- Qualified for the final round at National Level 'C' programming competition at PICT, Pune,India. **03'02**