# Patnaikuni Shrinivasan R. Patnaik
# (P.S.R Patnaik)
## www.CloudLab.in

psrpatnaik@witsolapur.org Mobile: +91 9421068118, +91 9960657718
Email:  psrpatnaik@gmail.com, LinkedIn: http://www.linkedin.com/in/psrpatnaik

**Microsoft**
Specialist

Developing Microsoft
Azure Solutions

amazon web services | Certified

Solutions Architect - Associate

--------------------------------------------------------------------------------------------------

## Qualification Summary

**Master in Engineering, Pursuing Ph.D. in Artificial Intelligence (Computer Science and Engg), and AWS Certified Solutions Architect (AWS-ASA-2294,AWS-ASA-20287) and Microsoft Specialist: Architecting Azure Solutions. (F312-3640) &Microsoft Certified Professional. (F312-3642)**with AWS Business and Technical Professional accreditations. **More than 8 years of** experience in Designing application and infrastructure architectures, deploying and developing for Cloud based applications. Worked on wide variety of application scenarios for cloud deployment and Migrations,  ranging from small web applications to HIPPA compliant enterprise applications predominantly on Linux based platforms.

Currently strengthening Artificial Intelligence skills and aiming to be AI expert bridging gaps between computing requirements of AI with Cloud enabled technologies.

I have good expertise on Linux Systems as SysAdmin and DevOps for AWS, Azure, RackSpace and Linode.

## Public Cloud Certifications:

1. **AWS Certified Solutions Architect.  (AWS-ASA-2294,AWS-ASA-20287)**
2. **Microsoft Specialist: Architecting Azure Solutions. (F312-3640)**
3. **Microsoft Certified Professional. (F312-3642)**

## Experience Highlights Recent  (as Owner @ CloudLab.in)
*Software Development: (Some of Recent and Prominent Projects)*

- **Top rated professional on Upwork for Cloud and Cloud enabled technologies:**
  https://www.upwork.com/o/profiles/users/_~01cd331369f77b38c1/

- **Corporate Trainer in domains of AWS, Azure, AI/ML: Provided training**

to  Cognizant, Capgemini, CGI, Customer360.co (Acquired by Interactive Intelligence), Eywa Solutions Pvt Ltd and many other.**

- **Consultant and Solution Design Architect for BlumCorp (http://www.blumcorp.com):**
  **Description:** Architecting the entire backend which comprises of IoT, Big Data and Cloud.
  Designed the AWS server less backend using Lambda and API gateway.

- **Cloud Solution Architect (AWS) for Sajiton LLC (sajiton.com) for their BLE beacon based mobile marketing application. (Special focus on using AWS Lambda, EC2, VPC, S3,RDS):**
  **Description:** Architecting  VPC Private and Public Subnets, Creating Database (RDS)Instances and Migrating in house Database dumps to Cloud. Preparing Storage needs to store Multimedia data on S3, Running code scripts on Lambda events by pushing a SNS notifications to Mobile App.

- **Working for 2090group.com for handling their Cloud needs for their customers:**
  **Description:**  Deploying basic Multi-tier Web Architecture with help of Cloud formation templates for every hosting requirement by the client.
  CloudFormation template provisions a Web Server, RDS Instance and VPC Public subnet.

- **AWS Infrastructure for Remotexccess.com:**
  **Description:** Designing Scalable Backend comprising of EC2 servers processing video feed from video recording by embedded CAM devices , Storage and Streaming of Recorded video content from S3 buckets. Use of Amazon Transcoding  for quick conversion of raw video in H.264 into mobile compatible formats.
  **(S3, CloudFront, Transcoding)**

- **Count.ly:** Consulting www.count.ly (Open source Mobile Analytics) for geographically distributed Architecture and Content Delivery.
  Description: Architecting AWS Infrastructure for geo redundancy, and CloudFormation template for quick deployment for infrastructure running count.ly mobile analytics code base.
   **(EC2, VPC, AMIs, S3)**

- **Consulting Changeis.com:**
  **Description:** The project involves setting up windows Server instances considering scalability (vertical) and cost optimization. Mainly involves deploying and configuring MS SQL Server and Tableau Software running on Windows.
  **(Windows EC2, VPC, AMIs, S3, RDS)**

- **Working since 2.5 years as Cloud Migration and Architect for Eywa Solutions Pvt Ltd:**
  **Description:**  Designing Scalable AWS Infrastructures for Development

teams working on developing mobile application backend, supporting  AWS infrastructure by monitoring with tools like newrelic. Creating Backup and Disaster recovery plans for AWS infrastructure.
**(EC2, VPC, CloudFront, S3, EMR, SNS, CloudFormation, AutoScaling, ELB)**

- **Designed highly scalable and available infrastructure and deployed code base to AWS for Customer360.co: A CC Avenue Ltd funded venture**
  **Description:** Complete AWS Infrastructure Solution and application architecture design, Automated deployment environments for test , staging , production environments by using OpsWork and CloudFormation and Shippable.  Monitoring for optimization of Scaling policies
  **(VPC, CloudFront, EC2, RDS, Elastic Cache, AutoScaling,ELB)**

- **More than 100 Projects Carried out on Elance.com and Odesk.com till date** majority being Cloud Deployments and consulting assignments for Cloud Migrations and deployments for AWS, Windows Azure and Google Cloud Platform.**(VPC, CloudFront, EC2, RDS, Elastic Cache, AutoScaling,ELB)**

- **AWS Architecture Design and Deployment for SimpleTherapy.com, Indiscine (Startup in US)**
  **Description**:  Designing HIPAA compliant Architecture and deployment of architecture on AWS with Disaster recovery plan.
  **(VPC, CloudFront, EC2, RDS, Elastic Cache, AutoScaling,ELB)**

- **AWS Deployment for Prime Time Entertainment Ltd, Darwin Australia.**
  Description: Deployed complete set of websites from traditional hosting environment to AWS Cloud with Backup and Future Migration Plans.
  **(VPC, CloudFront, EC2, RDS, AutoScaling,ELB)**

- **AWS Deployment for Eye-Mirror.com.**
  Description:  Designed and deployed website for eye-mirror.com a Kick Starter funded project adhering to scalability and spikes in traffic.
  **(VPC, CloudFront, EC2, RDS, Elastic Cache, AutoScaling,ELB)**

## Education
- **Bachelor of Engineering** (Computer Science and Engineering) (Top Ranker) Walchand Institute of Technology, Solapur University, (MH) INDIA
- **Master of Engineering** (Computer Science and Engineering) (Top Ranker) Walchand Institute of Technology, Solapur University, (MH) INDIA

## Education details

| Examination | University / Board/ College | Percentage |
|---|---|---|
| SSC | Pune Board | 79.6% |
| HSC | Pune Board | 77.17% |

| BE CSE | Walchand Institute Of Technology, Solapur University | 74.52% |
|--------|------------------------------------------------------|--------|
| ME CSE | Walchand Institute Of Technology, Solapur University | 77.05% |

## Professional Skill Set

- **Programming Languages:** C, C++, Java, J2EE (Struts , EJB ), C# , VC++ , SQL, Shell Scripting on Linux , Python.
- **Web Based Technologies:** HTML, CSS, JavaScript, jQuery , ASP.NET, JSP, PHP 4,5, XML.( Web 2.0), Python, Web services based on REST JSON &SOAP standard.
- **Distributed & Parallel computing:** Apache Hadoop MapReduce, HIVE , Pig.
- **Cloud Platforms Worked:** Google App Engine, Amazon Web Services, Windows Azure, Linode, Rackspace
- **Open Source:** Drupal,Wordpress, Joomla, Zencart, Opencart, Horde, Squirrel Mail, Linux (Debian and RHEL).
- **Database Servers**: MySQL, MSSQL, Oracle, PostgreSQL. ( Relational Database Designing) , MongoDB (a NoSQL system) also Amazon DyanamoDB , and Google Datastore, Google App engine
- Working knowledge of Google APIs, PayPal APIs, and Facebook& Twitter APIs.

## Experience Timeline:

**1) Owner, Consultant & Developer @ CloudLab.in (formerly CyberJungle.Org) [Nov 2009 to present]**

**(Consultation, designing, developing custom cloud based solutions to Clients.)**

- Transitioning existing Web applications to Amazon Web Services Cloud and Google App engine.
- Consulting and helping design system architecture for custom solutions (Web based).
- @ Elance.com https://www.elance.com/s/psrpatnaik/ (List of projects done )
- @ Odesk.com https://www.odesk.com/users/~~9d06a1e7b7555f72 (List of projects done )
- @ GetACoder.com http://www.getacoder.com/users/psrpatnaik/psrpatnaik_feedback.htm

**2) Walchand Institute of Technology      (NBA Accredited)[Jun 2011-PresentSolapur MH.]**

**(Assistant Professor)**

- Gained working experience in teaching and training students in subjects Like Java , C ,Data Structures and Computer Algorithms
- Conducted Seminars and workshops for students.

**3) NK Orchid College of Engineering and Technology[Jun 2010- May 2011Solapur MH.]**

**(Lecturer)**

- Gained working experience in teaching and training students in subjects Like Java , C ,Data Structures and Computer Algorithms
- Conducted Seminars and workshops for students.

**4) M & M Business Consulting Inc. [Jan2010-Jun 2010 Solapur MH.]**

**(Offshore, Web Architect)**

- Web designing, development and, maintenance. Involved working in PHP , JavaScript , JQuery, MySQL Database Server