

SHAKYA, AKASH DEEP

PERSONAL INFORMATION

Gender: Male
Date of Birth: August 27, 1987
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PROFICIENCY IN

PHP 4.3 onwards, Wordpress, Joomla, Magento, Interspire, J2EE 1.4 onwards, MySQL 5.0 onwards, Oracle 9 onwards, XML Web Services, SAML.

Operating System: GNU/Linux (Red Hat, Ubuntu and Fedora) and Windows Server 2008.

Application Server: Apache, Apache Tomcat and JBoss.

Version Control: Sub Version (SVN), GIT and Mercurial.

Build tools: Apache Maven and Hudson.

Performance Measurement tools: Probe and JMeter.

EDUCATION

University of New South Wales (UNSW), Sydney, NSW 2052, Australia *(July 2010 – Present)*
Master in Information Technology

Kathmandu University, Dhulikhel, Kavre, Nepal *(August 2005 – July 2009)*
Bachelor in Engineering (Computer Engineering),
CGPA 3.38, Major CGPA 3.84

WORK EXPERIENCE

Web developer, Artichoke design, Surry Hills, NSW

(July 2010 – Present)

- Develop web application customizing word press.
- Designed and architect Local village project by building wireframes, database design, use case diagrams, class diagrams and architectural model.

Web developer, Toast Design, Surry Hills, NSW

(November 2010 – Present)

- Maintenance and Enhancement of gardeningcentral.com.au
- System administration for new cpanel set up and projects migration.

Producer, Kinetik Internet Systems Pty. Ltd., Sydney, NSW

(July 2010 – Nov 2010)

- Prepare project requirement specification, project plan, high level design and project status report for all ongoing projects.

- Communicate with Client involving all technical issues.
- Information dissemination to the development team, functional managers and project manager overseas.

Software Engineer, D2Hawkeye Services Pvt. Ltd, Kathmandu, Nepal

(February 2010 – July 2010)

- D2Scalability
 - Reengineering the existing D2Explorer Web application to distributed architecture. This involves database design; architectural design and map reduce jobs design.
 - Designing a cluster capable to host 1 Petabyte of data in Hadoop cluster, which could be processed using HBase and Hive.
 - Designing a Map Reduce jobs to automate tedious manual process in data scrubbing.
 - Mentored 2 subordinates to understand the concept of distributed system and map reduce framework.

Associate Software Engineer, D2HawkeyeServices Pvt. Ltd, Kathmandu, Nepal

(August 2009 – January 2009)

- Risk Smart Solution-WEB, Germany (RSSG-WEB)
 - Developed Web application using Spring Web MVC Framework, worked on core Java logics and JSP to develop User Manager, Group Manager and Client Manager.
 - Developed Single Sign On (SSO) module using Security Assertion Markup Language (SAML).
 - Built using Apache Maven and Hudson and deployed in JBoss Application Server.
 - Prepared Configuration Management Plan, Configuration List and Configuration Management Report.
- Ad-hoc projects, D2-Research
 - Developed a file parser while would remove the first line of the given csv file and count the number of lines of the file using Perl.
 - Developed a Script to manage FDB data in MS SQL in Python.

Intern, D2HawkeyeServices Pvt. Ltd, Kathmandu, Nepal

(May 2009 - July 2009)

- D2 Project Tracker (D2-PT)
 - Developed core J2EE logic using Spring Web Flow Framework.
 - Developed JSF pages for Project Tracker DashBoard, Project Initiation Page, Add role page and others.
 - Developed complex logic queries in Oracle 10g.
- D2 Human Resource Management System (D2 HRM)
 - Customized Open Source project OrangeHRM for HR management.
 - Developed using core PHP/MySQL and AJAX.

TRAININGS AND WORKSHOP

Map Reduce and its Children, UNSW

(February 2011)

- Attended a lecture on Map reduce and the principles behind it by Professor Jeffrey Ullman from Stanford University.

Free Software in Ethics and in Practise, UNSW

(October 2010)

- Attended a lecture by Richard Stallman on Free Software Ethics.

Asia OSS Master Trainers Workshop Program, SIM University, Singapore

(March 2010)

- Presented on Nirvikalpa (localized OSS-Win CD) and FOSS in Nepal.
- Attended Group discussion session on Cloud Computing, ERM/CRM and Virtualization.

Sun Certified Java Programmer, Computer Point Pvt. Ltd.

(August 2008 – October 2008)

- Attended a 60 hours course on basics of Java Programming language

Introduction to Scrum Methodology, Kathmandu University

(April 2008)

- Attended Seminar presented by SIMULA research lab, Norway regarding Agile methodology specifically Scrum.

Grid Computing and its prospect in Nepal, FOSS KA KURA

(March 2008)

- Presented on basics of Grid Computing and how it can be useful for the developing countries like Nepal

Training of Trainers, Linux Terminal Server project

(March, 2008)

- Basics of Linux Terminal Server project system and survival guide to the set up of e-Library.

Workshop on OER in Nepal, C()SL

(May 25, 2007)

- Volunteered in an action-oriented workshop in Opening Educational Resources in Nepal: Localizing Content and Disseminating Knowledge.

Digital Signature, KUCC and CAN-Kavre

(May 2007)

- Attended a seminar which covered following topics: Cyber Crime and Cyber law, Grid Computing: Applications and Uses, E-banking and E-Transaction, Digital Signature and its uses and Electronic Transaction Act and its provision.

PROJECTS

Project Management and Programmer, Java API for Grid Computing

(January 2009 - June 2009)

- Prepared an architectural design, high level design and detailed design for the framework.
- Applied Agile Methodology, Scrum for all the project management related aspect of the project.
- Developed a sample program using Java API for Grid Computing.

Project Coordinator, Project60

(March 2008-January 2009)

- Deployed e-library in 10 secondary schools in Kathmandu using Centralized server based Linux Cluster.
- Generated 3.4 Gigabyte of contents helpful to high school students.

LEADERSHIP

Volunteer, SIFE-UNSW

(October 2010-Present)

- Design and develop e-Commerce Solution for young entrepreneur.

Vice-President, Kathmandu University Computer Club, Dhulikhel, Kavre, Nepal *(August 2007-July 2009)*

- Updated and created policies to motivate club's activities and prepared Club's Annual Calendar.
- Worked on a documentation framework for all the procedure of the club.
- Resource Allocation and Information Dissemination among the club members.
- Coordination with external bodies such as HLC IT, NITC, NTA, KU Administration, FOSS Nepal Community etc.

Executive Member, Kathmandu University Open Source Community *(August 2007-Present)*

- Working on promotion and advocacy of Free and Open Source Software (FOSS) inside/outside of University.
- Coordinated Project 60, Freedom Toaster, Linux Terminal Server Project and Linux Cluster for Prime Number Calculation.

Volunteer, FOSS Nepal Community, Kathmandu, Nepal *(August 2004-Present)*

- Coordinated Software Freedom Day 2009 (SFD '09) to win the SFD celebration award, and actively volunteered in SFD '08 and SFD '07.
- Webmaster for Community website and wiki.
- Conducting Free and Open Source trainings and workshop such as FOSS Master's Workshop, FOSS Essential Training, FOSS KA KURA (FKK) and others.

AWARDS

- Best Paper, SAARC Regional IT Conference on Open Source, September 2009
- Second Runner Up, Open Software Challenge Nepal, August 2009
- First Runner Up, Paper Presentation, Software Meet, April 2009
- Winner, Project Competition, Software Meet, Kathmandu University, April 2009
- Winner for Young Emerging Scientist, Nepal Science and Technology Center, 2004

REFREES

Michael Signal

Creative Director, Artichoke Design Pty. Ltd.

Email: mike@artichokedesign.com.au

Nick Sammult

Creative Director, Toast Design Pty. Ltd.

Email: nick@toastdesign.com.au

Pierre Kuhn

Executive Producer / Director, Kinetik Internet System Pty. Ltd.

Email: pierre@kinetik.com.au

Sajan Sangraula

Senior Solution Architect

D2Hawkeye Services, Subsidiary of Verisk Health, USA

Email: ssangraula@veriskhealth.com

Rupak Kumar Shakya

Director of Business and Development, EB Pearls Pty. Ltd.

Email: rupak@ebpearls.com.au

REFERENCES

- Artichoke Design Pty Ltd. (<http://artichokedesign.com.au>)
- Toast Design Pty Ltd (<http://toastdesign.com.au>)
- Kinetik Internet System Pty Ltd (<http://www.kinetik.com.au/>)
- EB Pearls Pty. Ltd. (<http://ebpearls.com.au>)
- D2Hawkeye Services (P) Ltd. (<http://d2hawkeyeservices.com/>)
- DxCG Germany (<http://dxcg.de>)
- Open Software Challenge (<http://d2labs.org/oscn/>)
- University of New South Wales (<http://unsw.edu.au>)
- Kathmandu University (<http://ku.edu.np>)