Pramil Paudel

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Summary

I am deeply interested in data science and engineering. Since the completion of my undergraduate degree I have been working as a software engineer in different capacity. During this period, I have co-authored a reference book for undergraduate students. My passion is to share real time knowledge I learned during my professional work to new students and new professionals. Big Data, Cloud Computing, Generic Programming languages, Web Services, Computer Architecture, Digital logics are interested topics for me.

Experience

Graduate Teaching Assistant (The University of Kansas)
JAN 2020 - PRESENT, LAWENCE, KANSAS
EECS 140/141 Introduction of Digital Logic Design

- Lab Instruction and Grading.

Sage Pvt Ltd (CoveredBySage LLC) / Engineering Architect
FEB 2018 DEC 2019, JHAMSIKHEL, LALITPUR NEPAL

Covered By Sage is Insurance tech. Company based in the united states. This company has been creating dynamic digital platform focusing equally both for Agents and Insurer in either of the personal properties and business properties. This platform communicates with carriers using the information collected and produces the policy and bind it making ease of working. I have been working as technical lead as well as engineering architect. The company has already raised millions of dollar investment and already started producing the result.

- ❏ Established engineering team of 25 people.
- ❏ Provided Agile SDLC, Scrum Solution, Release Management, Product Management and Project Management value to the company.
- ❏ Defined own orthodox development strategy and functional behaviour of the company.
- ❏ Architect Java, Python based robust platform to produce realtime policy.
- ❏ Acord Standard XML creation/parse engine creaton.
- ❏ Creation of Agent Management System Architecture.
- ❏ Server Setup and Remote Deployment Management based on LINUX, CENTOS.
- ❏ Complete technical setup for 60-70 employes.

Languages and Tools: Java, Python, Spring boot, micro-services, acord XML(P&C), Jenkins, Digital Ocean, AWS, S3, Spring cloud, REST APIs etc.

Upwork Inc.
SEPTEMBER 2017 – DEC 2020

Apart from regular office work, I enjoyed working in remote programming tasks if it becomes possible. I started working in this freelance platform as it provided me more flexibility of work.

- ❏ Developed groovy on grail-based REST APIs
- ❏ ElasticSearch Bases Advertisement search engine creation.

4G Engineering Solution / Instructor

SEPT 2017 – DEC 2019, KUPONDOLE LALITPUR

4G Engineering solution provides training and facilitate students outside of the regular college. I have been working as an instructor here for tution classes and trainer for professional programming. Subjects/Topics

- ❏ Microcontroller, Computer Organization and Architecture, Basic Electronics Engineering
- ❏ Java (J2EE, j2SEE), Web Application, Groovy on grails

National Incubation and Research Center / Engineering Manager

MAY 2017 - SEPT 2017, LALITPUR

NIRC produces homegrown software for data analytics of local level government of Nepal. The collected data used to be processed and produced different report.

- ❏ Establishment of the team of size 20-25 working together.
- ❏ Server setup, deployment operation design in AWS cloud.
- ❏ Development environment setup with Management tools (Redmine, Gitlab) and deployment tools (Jenkins, Python scripts, Bash Scripts).
- ❏ Design and development of data processing project using Apache Spark.
- ❏ Design and development of REST web applications using grails and spring.

Deerwalk Services (Deerwalk Inc. USA) / Software Engineer (Team Lead)

DEC 2014 -MAY 2017, KATHMANDU, GAUSHALA

Deerwalk is USA based healthcare data analytics platform. I started my career here as a trainee. Later I served as Software Engineer and team lead. The major role was to convert business logic into cloud based data processing platform.

- ❏ Leading the team of 6-10 developers' working in US Healthcare System Analytics.
- ❏ Development and distribution of business logic.
- ❏ Analysis and monitoring of the team members' work and plan.
- ❏ Implementation and design of Scala-based apache spark framework to process healthcare data.
- ❏ Creation of different financial and clinical reports based on the data.
- ❏ Real-time cloud computing based on the requirement.

Languages and Tools : Apache Hadoop, Apache Spark, Java Cascading, Maven, MySQL, Redshift, Elastic Search, AWS etc

Yotcha Inc/ Software Engineer

JAN 2015 - JAN 2016, KATHMANDU

Yotcha was singapore based real estate software solution. Create an engine to list property and have transactions through it.

- ❏ Implementation and Design of Hadoop (Cascading Framework) based Singapore real estate data processing.
- ❏ Creation of web application using Groovy on Grails framework.
- ❏ Equally worked as frontend and backend developer.
- ❏ Leading the developer team of 4-5.

Tools and Languages: Grails, Elastic Search, Apache Hadoop

Publication

Basic Electronics Engineering / Co-author

HERITAGE PUBLICATION AND DISTRIBUTOR, BHOTAHITY KATHMANDU

Basic Electronics Engineering is a complete reference book for the subject:

Basic Electronics Engineering under *Tribhuvan University, Institute of Engineering, IOE,* Nepal.

Coverage
Basic circuit concepts, Diodes, Transistors (BJT, MOSFET, JFET), Operational amplifiers, digital logic (Basic digital components, computational and sequential circuits), application of electronics and electrical engineering.

Education

MS/PhD Computer Science

The University of Kansas

JAN 2020 – Present
Running

Bachelor's in Engineering / Tribhuvan University, Nepal

JAN 2010 - DEC 2014, POKHARA
Electronics and Communication Engineering

Projects

- ❏ Image Processing based Intelligence and control system, *Major project*
- ❏ RF-based wireless messenger, *Minor project*
- ❏ *"Clean Bagmati, Green Kathmandu"* themed robots, First Runner Up-National Robotics Competition,2012
  - ❏ Digital Time and Temperature Display, *Souvenir of Campus Gate* .
- ❏ IR Remote controlled (Phillips Protocol) Advanced Inauguration System, *Leading Advanced Inauguration of different in functions in Pokhara City*
- ❏ Microcontroller based temperature sensing inauguration system.

Major Achievement

- ❏ Studied with the four-year full funding scholarship program.
- ❏ Leading students for non-academic projects from different funding resources thereby enhancing practical implementation of the course.
- ❏ Established one of the most renowned student's literary forum from the whole country.

High School / New Galaxy Higher Secondary School

COMPLETION BY 2009