

## SUBHASH CHANDRA PAL

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### OBJECTIVE

In pursuit of excellence, seeking a learning, challenging and progressive career which could provide me with sufficient opportunities to apply my professional knowledge and experience for achieving organizational goal as well as my personal enrichment.

### SUMMARY

- Working as a senior software engineer in “**Navisite India** (Now RDX)” since 9 July 2019.
- My technical expertise in backend development using Python, Django, Flask, MySQL, PostgreSQL, OOPS.
- Currently I am associated with projects as a backend developer using Python, Flask.
- Writing and managing Micro-Services to build a common platform which can be used by all the customers to manage all the available tools and account within Navisite.

### ACADEMIC BACKGROUND

- M.C.A (Master of Computer Application) from Jawaharlal Nehru University (JNU), New Delhi (2011-2014) with CGPA 6.7/9
- BSc (Bachelor of Science, Mathematics) from Dr, Ram Manohar Lohia Avadh University (2007-2010) with 72.1%

### KEY SKILLS

- Programming language- Strong experience of programming in Python
- Good knowledge of Django (rest-framework), can work on Flask.
- Basic knowledge of Numpy and Pandas library.
- Basic knowledge of Unix programming, HTML, CSS with good knowledge of Unix commands.
- Good knowledge of data structures, Algorithms.
- Query language: Very good knowledge of SQL
- Databases: MySQL, PostgreSQL, Redis
- Search Engine: Solr as Search Platform, Worked on ELK.
- Ubuntu and Windows
- Good knowledge of Git, Jenkins pipeline

### AREAS OF INTEREST

- Development in Python, Data Engineering, Databases.
- Analytical reasoning.

### ACADEMIC PROJECTS

- **Tech-fest Management System**-Software Engineering project (During MCA IV semester)
  - **Database used:** MySQL
  - **Language:** C#, SQL, ASP .Net
  - **Platforms:** Visual studio 2010
  - **Main functions:**
    - The Objective of this project was to develop a complete software which could be used to manage the upcoming tech-fest at the school of computer and system sciences at JNU. This project handles the registration of the candidates as well as the management of information of all the events during the tech-fest.

### INTERNSHIP

I have completed my internship program from **Aricent group**. During Internship I worked in a team which were involved in the platform development. My responsibility and work in Aricent are mentioned below:

- **FPGA Driver Development for IP Router –**  
The objective of this project is to implement a module where I have to develop Driver of FPGA for IP routers, so I had to go through their related API's and specifications. I have created the document related to the API structure for

FPGA. Created and added header file to the main program concerned only for FPGA. FPGA was developed for the career routing system of CISCO.

Technologies involved: VNC server, Unix, C, TCL.

## WORK EXPERIENCE

### ➤ Worked in On Demand Agility (ODA) as Software Engineer (Python Developer) from Jan'18-Jul'19

#### Responsibilities:

1. Writing design documents for the features to be developed. Document contains function level design.
2. Adding new features to the existing product.
3. Coordinating with Data Scraping team and Data Management teams globally.
4. Writing unit testable code.
5. Participating in code review.
6. Participate in weekly discussion of project improvement with US team.

#### Project Work:

- Development of web scraping framework using Python and xml library.
- Managing the data pipeline.
- Augmenting and Merging of data provided by Scraping team.
- Writing Data Access Service to access the data.
- Adding dataset to the Elasticsearch index.
- Writing scrapper python script to scrape data from international legislative websites.

Database Used: PostgreSQL, Redis.

Languages: Python, JSON, XPath

Frameworks: Django Rest-Framework

Version Control: GitHub, Bitbucket

### ➤ Worked in Atlogys Technical Consulting as Software Engineer (Python Developer) from Nov'16 – Jan'18

#### Responsibilities:

1. Writing design documents for the features to be developed. Document contains function level design.
2. Backend development using Python and Django rest-framework for APIs.
3. Coordinating with angular, android and iOS teams who use the APIs developed by backend team.
4. Writing unit testable code.
5. Participating in code review.

#### Project Work:

In Atlogys I worked as a backend developer for a Video chat app.

I have implemented search functionality for the project which uses Python and Solr as a search platform.

Integrated third party SDKs for calling and notification functionalities.

Database Used: MySQL, Redis.

Languages: Python, JSON, SQL.

Frameworks: Django Rest-Framework, Django ORM

Search Platform: Solr

Version Control: GitHub

### ➤ Worked in KNOWLARITY COMMUNICATIONS as Software Engineer (July 2014-Aug 2016).

#### Responsibilities:

1. Coordinating with Engagement managers to understand the feasibility and project requirement for the clients.
2. Developing the IVR (Interactive Voice Response) projects as per software development document received.
3. Development of APIs in python supporting various http methods.
4. Designing and implementing the database as per the requirement of the projects.
5. Developing python scripts and scheduling Cron to send the automated reports and attachments over email.
6. Taking responsibility of optimization and scaling of IVR solutions of major clients of Knowlarity.

#### Project Work:

In the period of 2 years in Knowlarity I have worked on many projects. Below is one of them.

**Spam Detection, Control and Live reporting in the IVR system:**

Objective: This project is responsible to recognize a spam call and take necessary action to control the spam. It also sends live report informing spam to the concern person's email or contact.

I was the only tech person to develop this project from start to end. Initially developed the system using MySQL database but replaced it with Redis when volume increased and high load was occurring on db.

Database Used: MySQL, Redis.

Languages: Python, XML, JSON, SQL.

Platform: IVR STUDIO (Knowlarity's platform to develop IVR System)

Version Control: Git, Bitbucket

## ACHIEVEMENTS

- Won the spot award for the best performance in the team at Knowlarity Communications.

## STRENGTHS

- Skilled, Energetic, quick-learner, Self-motivated and hardworking individual.
- Patience and honesty.
- Ready for any challenges.

## DECLARATION

I do hereby declare that all the above-mentioned information is correct to the best of my knowledge and belief and I bear all the responsibility for the correctness of the above-mentioned particulars.

**(SUBHASH CHANDRA PAL)**