

Vaishnavi T.R

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Career objectives:

To work as an application developer using Python, Python-based technologies, and frameworks.

Technical Skills:

- **Operating Systems** : Windows, Linux
- **Programming languages** : Python
- **Web Frameworks** : Flask
- **Web Technologies** : Basics of HTML, CSS, JavaScript
- **Scripting languages** : Shell scripting and Python scripting
- **Database** : PostgreSQL, SQLAlchemy
- **Tools used** : PyCharm, Postman, pgAdmin, Jira, Jenkins, Ansible, VMware workstation, Putty, MobaXterm, Microsoft tools, Design patterns
- **Version Control** : Git, SVN, Perforce
- **Others** : JSON, ORM, OOPS, REST APIs, Cloud, NFV, Jinja
- **Nature of work followed** : Agile software developer, Scrum methodology, SDLC

Professional experience (Total 5years):

Infoblox (August 2019 – Present) <https://www.infoblox.com/> –

Infoblox is a networking and security US Product based company

Project **Cloud** - Infoblox empowers many organizations to control and secure their network from the core. Infoblox core products are DNS, DHCP, and IPAM. I have been working in the Infoblox cloud team which helps monitor and control all public (Azure, AWS) and private clouds (OpenStack) through the Vdiscovery feature.

Role - Working as a python backend developer to develop Vdiscovery features by integrating AWS and Azure APIs. Contributed to Opensource projects - Infoblox-client and Infoblox-ansible. Resolve customer bugs and enhance the existing features using Pep8 standard.

Hewlett Packard Enterprise R&D (August 2015 – August 2019) - <https://www.hpe.com/>

Project **NFV** (Network Functions Virtualization) Got hands-on in Networking, Virtualization, OpenStack Cloud, Python scripting, Shell Scripting, and Python programming in the Linux environment.

Role - Performed end to end installation of HCG (Helion OpenStack Carrier Grade), Wrote man pages for our CLI commands, Enhanced features value adds. Worked on RedHat OpenStack & OOO. Helped in automation for fetching server details. Added log rotate feature for the value adds, Wrote python script to auto-download the latest version packages of Redhat from the Redhat server.

Personal Project –

Library Management System – Software that is used to maintain the record of the library books, librarian and issued books. Wrote flask Rest APIs using python3 and OOPS implementation.

Libraries used – logger, faker, datetime, sqlalchemy, flask, random, functools, inspect, http, passlib.

GitHub - <https://bitbucket.org/vaishnavitagat/library/>

Academic Project -

RWR Replay tool - To identify aircraft path w.r.t ground-based RADAR in **Bharat Electronics Limited**. Built a tool that reconstructs the path traversed by an aircraft in action, using a file recorded by the RWR which is a device on the aircraft. The project was developed on a VC++ platform and windows operating system. My key role in this was to assign work for team members, gathering of necessary information, GUI Development, and feature development.

Responsibilities:

- Developed new features using best practices
- Enhanced and fixed bugs
- Shared innovative ideas and problem solving
- Carried out new POCs
- Resolved Customer issues

Education details:

- Bachelor of Engineering (2011- 2015) from Visvesvaraya Technological University with 68% in Information Science and Engineering

Strengths:

- Good understanding of the Software Development Life Cycle.
- Excellent debugging skills. Identify root cause and solve problems.
- Active team member, excellent communication & good team player.
- Strict follower of deadlines to meet project goals.
- Sincere, proactive, hardworking, and punctual.
- Eager to learn new skills.

Achievement:

- Gave a TAD talk (Technical Architectural Design).
- Received recognition several times for quick learning and exceptional contribution
- Participated in Hackerrank.

Areas of Interest:

- Application development using Python, Python-based technologies and frameworks.
- Acquiring new skills in the field of computer science.