

# Biswajit Satapathy

Software Engineer

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I am Biswajit Satapathy, currently working as a python backend developer. I am open to learn new technologies and stacks with complete dedication to professional work.

## EXPERIENCE

**Software Developer, AppviewX**  
02/2022 – present

**Project: ADC+ Out of Box (OOB) - Automation/Orchestration**

- ❖ Development of Python scripts as a parsing layer of data between **GUI** and other services at **AppviewX**.
- ❖ Responsible for the development of workflows in association with **MongoDB, hooks, and load balancing devices**

**Nginx Automation:**

- Worked on Nginx Project from scratch which communicates with multiple Nginx devices dynamically to perform all kinds of **CRUD** operations.
- The script is written so that the user can fully customize the **back-end upstream servers** including all the parameters available in the original Nginx device, such as **Profile, SSL Certificate, Health monitor, weights, backup**, and a few more.

**Decommissioning of Unused Objects:**

- Worked on Decommissioning of Unused Objects based on **State-Status Drift** and **State-Status Statistics** for any number of load-balancers within a given timeline that the customer can choose.

**Multiple Vendors:**

- Reduced the **time complexity** for profile addition in **F5** Vendor from  **$O(n^2)$  to  $O(n)$**  using a better data structure.
- worked on load-balancing vendor **Citrix** for handling advanced Parameters and all forms of dynamic modifications via **API** using the payloads that are generated based on the user input.

**Tech-Stack Used:** Python, MongoDB, Network load balancers, F5s, Nginx Plus, Citrix, Git, Jenkins, API - REST, Kubernetes, LinuxOS, Jira

**Personal Projects:**

**Ecommerce Shopping**

- Fully functional Ecommerce web application with features of search, filter, and pagination of products.
- The user can log in/Register (Forgot Password), selects a product- add to cart, check out, and proceed for payment(using stripe) and can view order status.
- The admin login has an additional dashboard where the orders received can be processed to shipping and delivered. The admin can see all the users, products, and stocks, reviews, can create a new product, can make a user an admin.
- The web application supports the update of Profile name, picture, and password and is responsive to web and phone screens.

**Tech Stack:** MongoDB, Express, React, Node

## SKILL

- C/C++
- Python
- Data Structures and Algorithm
- No SQL(Mongo)
- Object Oriented Programming
- MERN Stack

## Education

**B.Tech in Computer Science and Engineering,**  
*Vellore Institute of Technology, Chennai*  
(2018-2022)  
GPA: 8.54

**XII - CBSE (2018)**  
95.2%

**X - CBSE (2016)**  
CGPA - 10

## Awards

**Winner of Smart India Hackathon(SIH).**  
**Winner of Android Owasp Hackathon, HackerEarth**

## Publications

**Integration of Lazy Learning associative Classification with KNNalgorithm, IEEE**

## Certificates

Algorithm Toolbox, Coursera