

PAYAL SASMAL

SOFTWARE ENGINEER

3. 7 years of Professional IT experience in Back-End Development using Python, Django, MySQL, Docker, Kubernetes, Kubernetes operator, Basic Shell scripting and Hashicorp Vault etc.

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COMPANY

Currently working in **Deloitte USI** as Software Engineer from Feb'2020 till date.

Worked in **Allstate Solutions Pvt Ltd** as an Application Developer from Oct'2017 to Feb'2020.

PROFESSIONAL SUMMARY

- Excellent knowledge in **Python** and **Django**.
- Have hands on experienced with **Google Cloud Technologies** and Tools.
- Hands on Experienced with **Docker**, **GCP Kubernetes**, **Hashicorp Vault operator**, **Helm Chart**, **Basic Shell Scripting** and **Linux**
- Maintained CI/CD Delivery using **Jenkins**
- Worked with varieties of Relational Databases (**RDBMS**) like MySQL.
- Experienced in Analysis, Design, Development, Integration, Deployment and Maintenance of web-based applications, client sever using Python.
- Good understanding of Object-oriented approach of programming.
- Knowledge of **PyCharm** tool for the development of projects.
- Closely interacted with the clients at onsite deputations, as well as from offshore.
- Expertise in the Agile and scrum methodologies and implemented the same in the projects.
- Experience using **Git**, **GitHub** version control.

WORK EXPERIENCE

Project 1:

Project Title: GCP Kubernetes Vault Operator

Organization: Deloitte

Client: Broadcom

Team Size: 2

Business Description: Cloud Based project we needed to create Vault operator which was non-trivial, Vault used to store secrets data. There was another operator called Kafka, Elastic Search, Mysql etc. We

integrated vault with other Operator and other applications (based on client application) for storing secrets.

Technology Corner: Developed the **Vault operator** using **Helm Chart**. Used **docker** for Containerized, using Git for version control, used **Jenkins** for CI/CD and deployed it on **GCP K8s**.

Project 2:

Project Title: RDMT (Rating Data Management Table)

Organization: Allstate Solutions Pvt Ltd

Client: Allstate Internal Project

Team: 4

Business Description: RDMT was created for storing the default rates and factors of all the coverages for the policies. Which is used to determine the premium of the policies. We made this user friendly because the business people also can update the default rates and factors.

Technology Corner: This is a web application, we converted Tenfold code to **Python code** and used **Django** Framework.

Project 3:

Project Title: HSB (Hartford Steam Boiler- Supplementary Coverages)

Organization: Allstate Solutions Pvt Ltd

Client: Allstate Internal Project

Team: 2

Business Description: HSB is vender who wanted to add their supplementary coverages in Allstate coverage. Home System Protection (HSP) i.e. heating cooling, water, power etc. and Home Service Line (HSL) i.e. underground piping and wiring. Our motive was to create warranty type coverages for these two coverages. So, we made user friendly so that agents can handle easily. This is done in agile method.

Technology Corner: This is a web application; we have used **Python** and **Django** Framework. We used Mysql to store data for database.

SELF PROJECT EXPERIENCE

Project 1:

Project Title: Tic-Tac-Toe Game

Team: 1

Description: I created a Tic-Tac-Toe game so that anyway can play in their computer by downloading the exe file.

Technology Corner: I created a GUI application through **python Tkinter** object, and converted this application from .py to .exe so that anyone can use this on their computer.

Link: <https://github.com/PayalSasmal10/100daysCoding/tree/Day7>

Project 2:

Project Title: CartoonQuiz Game

Team: 1

Description: I created a CartoonQuiz application. This is a quiz application which will test your basic knowledge on cartoon (like Doreamon and Shinchan).

Technology Corner: I created a GUI application through **python Tkinter** object. I used list to store questions and answers of the quiz, I have not added any database as of.

Link: <https://github.com/PayalSasmal10/100daysCoding/tree/Day3-Day4>

Project 3:

Project Title: Youtube Downloader

Team: 1

Description: I created a Youtube Downloader application. This application can help to download youtube videos.

Technology Corner: I created a GUI application through **python Tkinter** object. I used python module **youtube_dl**.

Link: <https://github.com/PayalSasmal10/100daysCoding/tree/Day15>

TECHNICAL SKILLS

Programming Language

- Python

Framework

- Django

Databases

- MySQL

Operating System

- Windows 7, 8 & 10
- Ubuntu, Centos 7, Manjaro

Cloud Skills

- Docker
- Kubernetes
- Helm Chart
- Kubernetes Operators
- Hashicorp Vault
- Terraform

Tools

- PyCharm

MY BLOGS

Blog 1:

Description: This blog is related to basic Linux command for everyone who are struggled with Linux.

Link: <https://dev.to/payalsasmal/series/10697>

Blog 2:

Description: This blog is related to basic Vault UI info, what all we can do through vault UI.

Link: <https://dev.to/payalsasmal/what-all-we-can-do-through-vault-ui-4p26>

QUALIFICATION

B.Tech in CSE:	B. Tech Aggregate – 8.43 CGPA
12 th STATE BOARD:	12th Aggregate – 61.14 %
10 th STATE BOARD:	10th Aggregate – 62.22%

PERSON DETAILS

Name: Payal Sasmal

Date of Birth: 12-Aug-1994

Sex: Female

Address: No-8/2, 2A 2nd floor, 15th cross, Mahadeshwaranagara, 16th main road, BTM Layout, 2nd stage, Bangalore-560076

DISCLAIMER

I hereby declare that all information given above is true to the best of my knowledge and belief.

Place: Bangalore

Payal Sasmal