

## Sanchit Balchandani

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## Objective

Seeking senior-level assignments in software development with an organization of repute.

## Executive Summary

- ❖ Currently working as a Lead Software Engineer at EPAM Systems, Hyderabad
- ❖ A result-oriented developer with overall ~**11 Years of exp (Python - 7.5+ years)**
- ❖ Well versed with **OOP concepts, Backend Development, REST & API development**
- ❖ 4+ years of development experience in Web frameworks like **Django, Flask** and DRF
- ❖ Good understanding of **Data Structures and Algorithms & Database concepts**
- ❖ Very good experience with **SRE** and handling **highly available applications**
- ❖ Good exposure with DevOps tools – **Docker, Jenkins, Kubernetes** & Terraform(basics)
- ❖ Fair working knowledge of working on public clouds like - AWS & GCP
- ❖ Have sound knowledge and understanding of **Blockchain protocols**
- ❖ Familiar with Ethereum tools like Solidity, BlockApps, Geth, Truffle, IPFS etc
- ❖ Co-organizer of open source communities [HydPy](#) & [DSUG Hyderabad](#)
- ❖ Co-organizer of PyCon India 2018, PyConf Hyderabad 2017
- ❖ Co-chair & the organizer of PyConf Hyderabad 2019 & 2020

## Career Snapshot

- ❖ **EPAM Systems – Lead Software Engineer (Nov 2019 – Till Date)**
- ❖ **JP Morgan & Chase – Associate (Jan 2019 – Nov 2019)**
- ❖ **Pramati Technologies – Principal Engineer (Aug 2015 – Jan 2019)**
- ❖ **Google India Pvt. Ltd. - Associate Lead (Sep 2010 – Aug 2015)**

[On payrolls of Kelly Services (Sept 2010 - Aug 2012) and Binary Semantics (Aug 2012 - Aug 2015)]

## IT Forte

**Programming Languages:** Python 2.7, Python 3.x, JavaScript, Solidity, GoLang(novice)

**Framework:** Django, Django Rest, Flask, Scrapy

**Data Science Libs** - Pandas, NumPy & Matplotlib

**Database:** MySQL, PostgreSQL, MongoDB, Redis, Oracle, Firestore

**Web Technology :** NodeJs, JavaScript, Bootstrap, HTML, CSS

**Version Control:** Git, Bitbucket, Gitlab, Bazar

**Bug Tracking Tools:** JIRA, Taiga, Buganizer, Trello

**Monitoring Tools:** Datadog, Monitis, AppDynamics

**Cloud & DevOps:** AWS, GCP, Docker, Jenkins, Kubernetes, Terraform(novice), Helm(novice)

**GCP Services:** Cloud Storage, GKE, GCR, Compute Engine, Cloud Vision, Cloud Functions

**AWS Services:** EC2, S3, ECS, AWS Lambda, RDS, VPC, Autoscaling

**Operating System:** Windows, LINUX/Ubuntu, OS-X

## Projects @EPAM

### HazardAlert App

Team: 4 members  
Role: Tech Lead

Technologies used - Python, Flask, DRF, Rest API, Mongo

HazardAlert app was developed during the covid pandemic and we created this app to make people aware of covid hotspots and containment zone. The app was based on Python, Flask & MongoDB backend and it was responsible to scrape data from a certain source to get data related to hazard areas and covid containment zones and then with help of socket server implementation data was dynamically published on the UI as well.

### Payments Stream Automation

Team: 2 members  
Role: Senior Developer/Lead

Technologies used - Python, Pandas, AWS, Lambda, Celery, Redis

This payment stream automation was developed for one of the leading cab providers in the world. The automation was streamlining the whole process of payments for drivers for some specific regions where payments are made for certain miscellaneous items as well. We created this automation to scrape data from multiple data sources, process them for sanity checks by our sanity check engine to find out any outliers in the data received. Post sanity check processing, using asynchronous processing, the automation pushes the payments towards the payment system.

## Projects @JP Morgan

### Decom Tool

Team: 13 members  
Role: Tech Lead/SRE

Technologies used - Python, Django, Flask, DRF, Rest API, Redis

DAT is a tool developed to decommission legacy software, applications, NAS, SAN, Databases, Load Balancers and other Software/Hardware components which are either deprecated or set to be disposed of/retired. This application is supposed to decommission approx 10k application developed within JPMC since its inception. The current process is very time taking and takes months to decommission the assets/inventories end to end but DAT does that in almost no time(2 Week) which includes multiple levels of approvals and validation checks for dependent apps.

## Projects @Pramati

### CodeXpose (OpenSource project)

Team: 4 members  
Role: Principal Engineer, Lead

Technologies used- Python, Django, DRF, Rest API, ReactJs, Docker

CodeXpose is an open-source one-stop solution for conducting technical interviews and hiring engineers from developer communities. I'm mentoring this project in terms of Backend development and taking care of reviewing all Pull Requests along with Deployment and Docker related stuff.

### SteepRock

Team: 6 members;

Technologies used- Python, Django, DRF, Rest API

Role: Principal Engineer, Lead

This project was for one of the top health care provider companies in the US and we were responsible for adding new modules and functionalities to the existing product which already had approx 160 modules.

### **OpsSimple Openstack Deployment Tool**

Team: 8 members

Technologies used- Python, Django, DRF, Rest API, AWS, boto

Client: Ericsson

Role: Python Backend Developer

This project was built to deploy Openstack on the Ericsson client's infrastructure cloud using multi nodes. OpsSimple role in deployment was minimal but it was very important. All automation stuff for deployment was handled by Ansible but data inputs at a certain level to Ansible scripts were provided by OpsSimple. So this tool was again a web application hosted at Ericsson internal server which was used by deployment engineers to enter all open stack configurations for all type of nodes(based on VM configuration) to deploy Open Stack.

### **Qualifications**

B.Tech in Computer Science from "Uttar Pradesh Technical University" - 2010

### **Technical Talks**

- ❖ [Introduction to Data Visualization in Python at Symbiosis University Pune](#)
- ❖ [Static Typing in Python at PyCon India 2020](#)
- ❖ [Simplified Deployment on Cloud using Docker Desktop at OSCONF Hyd 2020](#)
- ❖ [3 hours Workshop – Demystifying Docker for Devs at PyCon India 2019](#)
- ❖ [Python for DevOps Training at EPAM India](#)

### **Blogs**

- ❖ [How to migrate the Python2 project to Python3](#)
- ❖ [Why do Software Developers need to more empathetic](#)

### **Volunteering**

- ❖ Co-organizer & Volunteer at Hyderabad Python User Group since 2017
- ❖ Organizer & Community Lead at DevOps & SRE User Group Hyderabad since 2019
- ❖ Workgroup lead & Volunteer at PyConf Hyderabad 2017
- ❖ Workgroup lead & Volunteer at PyCon India 2018
- ❖ Organizer & Co-chair at PyConf Hyderabad 2019
- ❖ Workgroup Lead at PyCon India 2020
- ❖ Volunteer & Speaker at OSCONF Hyd 2020

### **Languages Known**

English, Hindi – Spoken and written