Sanket Patel

DevOps for Fun and Profit!™

☎ +91-968-747-2131 | ✉ sanketplus@gmail.com | in lnkedin.com/in/sanketplus | ✎ superuser.blog | 🏠 Personal Web

EDUCATION

B.Tech in Information Technology.   *2012 - 2016*

Institute Of Technology, Nirma University   **CPI: 8.58**
Ahmedabad, India.

Higher Secondary Education under GSEB   *2012*

V D Desai High School   **89.84%**
Surat, India.

SKILLS

Programming Languages: Python, C.

Tools and Technologies: Hadoop, HBase, Jenkins, Shinken, OpenTSDB, Nagios, Salt-Stack, Nginx, Grafana, HAProxy, Redis.

Others: Git, Linux, Bash scripting. AWS cloud (EC2, Lambda, VPC, Route53, CF, SQS, IAM), Automation, RPM Repo Management.

WORK EXPERIENCE

Directi - *Operations Engineer*   *June 2016 - Present*

Member of Platform and Production Engineering team who owns the infrastructure. I work with or am responsible for following aspects of infrastructure:

1. Commissioning,managing and tuning Hadoop/HBase cluster.
2. Setting up monitoring for infrastructure and services using Shinken.
3. Setting up auto-scaling using CloudWatch, SNS and Lambda using requests/sec metric..
4. DoS protection for client facing services using AWS WAF and Lambda.
5. Selected metrics collection for Systems and services/JVM and storing them in OpenTSDB..
6. Incident management (similar to PagerDuty) to handle and escalate incidents by sending SMS and call to service owner and team lead using Lambda, API Gateway and Plivo.
7. Automation using Jenkins, AWS Lambda and config management using salt-stack.

Directi - *Intern*   *Jan 2016 - June 2017*

Worked on a Business Continuity Project which ensures the production HBase cluster stays backed-up and in sync with stand-by cluster. Backup happens once a day and backup cluster stays in shutdown state at the other times on the day, ensuring data is backed up regularly and cost of infra is minimal. The project was completed in Python and multiple modules were developed for multiple tasks such as managing EC2 instances, creating back ups, orchestrating whole process, and managing the state.

PROJECTS

PyDFS : Very minimal, HDFS like file-system in python. Uses python PyRPC and supports GET and PUT operations.

Ta-Tools : Framework for technical analysis of stocks. Includes technical indicators and candlestick patterns, along with data provider modules. Uses Python Pandas, talib. Data providers: Quandl and AlphaVantage

MovieDate [Alpha] : Watch movie/video in sync with other person. Consider this as a movie date with your long distance partner. It uses websockets for low latency communication and keep two parties in sync.

PyWSocket : WebSocket server with basic WebSocket protocol implemented in python over plain TCP sockets.

maybe [contributor] : See what a program does before deciding whether you really want it to happen.

knetstat [contributor] : Simple kernel module to inspect socket options (which you cannot in most Linux distros)

OTHER

Interests:

- Operating System (Linux) internals.
- Application performance.

Hobbies:

Cycling. Blogging. Python Scripting. Foosball (Directi Foosball tournament: Mumbai finalist, Bangalore champion) Bathroom singing ♫