

Skills

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| <u>Languages</u> Python, Golang, C, Bash scripting | <u>Background task</u> Celery |
| <u>Database</u> Postgresql, MySQL, MongoDB, Redis, Redshift, Apache Cassandra, RethinkDB, PipelineDB | <u>Javascript</u> Backbone.js |
| <u>Framework</u> Django, Tornado, Bottlepy | <u>Web Server</u> Apache, Nginx |
| <u>Server communication</u> RabbitMQ, Apache Kafka, ZeroMQ | <u>Version control</u> Git, SVN |
| <u>Server containers</u> Docker, Rancher OS | <u>Cloud</u> AWS, Digital Ocean |
| <u>Infrastructure monitoring</u> InfluxDB, Grafana, Telegraf, Graphite | <u>Deployment</u> Python Fabric, Ansible |
| <u>Worked on</u> Erlang, Java, Arduino, Raspberry pi, Node.js, Arduino, OpenCV, Openstack | <u>Data processing</u> Apache Storm |
| | <u>Service discovery</u> Consul, Zookeeper |

Experience

Coverfox Insurance Pvt. Ltd, Mumbai, India

Sr. Tech Architect

SEPTEMBER 2015 - PRESENT

- Understand business requirement and design tech solutions to increase sales, decrease CAC(Cost of Acquisition), decrease burn rate, increase NPS(Net Promoter Score) and decrease infrastructure cost.
- Worked as software engineer, DevOps engineer, data analyst and team leader.
- Role is to Gather requirements from Business teams, prepare tech solutions, estimate project duration, execute, do code and mentor peers
- Designed and implemented database migrations, Database warehouse, policy renewals and chatbot, insurance product backends, customer engagement, infrastructure migrations.
- Decreased cost of infrastructure
- Migrated PostgreSQL from AWS RDS to self hosted server and implemented High availability, Disaster recovery, Backup and PITR(Point in time recovery)
- Lead central team and report to C level executives and VP of Engineering.
- Worked on Python, Golang, Postgresql, Redis, RethinkDB, PipelineDB, InfluxDB, Docker, RancherOS, RabbitMQ, AWS, Apache Storm, Grafana, Zookeeper, Apache Kafka, Consul, Amazon Redshift, Erlang.

Shopsense, Mumbai, India

Sr. Platform Software Engineer

MAY 2015 - AUG 2015

- Developed and maintained ETL pipelines for India's leading retail brands.
- Infrastructure management.
- Responsible for web R&Ds.
- Worked on Python, Mysql, Kafka, MongoDB, Redis, Angularjs, Django, Tornado, RabbitMQ, Java.

Azoi Inc, Ahmedabad, India

Software Engineer

SEPTEMBER 2012 - PRESENT

- Developed scallable web applications with Python, Django, Postgresql, MongoDB, MYSQL, Redis, Backbone.js.
- Developed push notification server with websocket protocol and python tornado server.

- Developed scripts for zero downtime deployments.
- Developed REST apis and dashboards.
- Worked on HIPAA Video Conferencing
- Developed HIPAA compliant Backend As Service (BAAS)(similar to parse.com) for REST api development and awarded for work in BAAS core team.
- Developed Sandbox environment for custom code execution in restricted environment.
- Core team member of web R&D team
- Developed Wello product pre-order system.

Raj Acedemy

Part time Developer, Faculty

OCTOBER 2010 - SEPTEMBER 2012

- Provided Training to students on PHP & ASP.NET.
- Course Content generation - Knowledge base generation.
- Handled PHP and ASP.NET projects individually.

Projects

Coverfox database warehouse

- Build ETL pipelines to get data as much realtime.
- Gathered business requirements from operations, product, sales, analytics teams and implemented fully functional database warehouse
- Technology used : Python, Golang, AWS Redshift, AWS Kinesis, Apache Kafka, Apache Avro

Coverfox database migrate from AWS RDS

- Setuped replication from AWS RDS.
- Build own replication platform
- Technology used : Golang, postgresql

Infrastructure As Service Cloud

- Start / Stop / Remove instance.
- Distributed data centre manager.
- Pub/Sub architecture for inter server communication.
- Technology used : Python, mysql, javascript, nginx, rabbitmq, redis, oracle virtualbox.

Gesture detection javascript library

- Red object gesture detection
- Detect object gesture in four directions Top, Bottom, Left, Right direction.
- Technology used : HTML5 Canvas, Javascript

Push Notification Server

- Push Notification server can send notifications to connected android devices and web browsers. It was designed for Android applications and web applications and it was able to do bi-directional communication.
- Technology used : Python tornado, MongoDB, Redis, Websocket

Home automation

- Start / Stop home equipments with mobile & desktop computers.
- Shedule equipment automatic turn on / off.
- Technology & Hardware used : Python, MongoDB, Bootstrap, Javascript, Android, Raspberry Pi.

Backend As Service Cloud

- Backend As Service Cloud is HIPAA compliant and model for providing web and mobile app developers with a way to link their applications to backend cloud storage and APIs exposed by backend applications.
- User management
- REST api

- Push notifications
- Custom code integration
- Integration with third party services
- Technology used : Django, Mongoddb, Redis, Rabbitmq

Python Sandbox

- Python Sandbox is secure environment to execute python untested code from unverified third parties, suppliers, untrusted users. Sandbox environment is to execute python custom code in secure environment.
- Execute code in secure kernel sandbox environment with limited system calls and functions.
- Code execution in child process.

Education

B.Tech (Full time) in Computer Science

IGNOU University, Samarth campus
HIMMATNAGAR, GUJARAT, INDIA

JULY 2010 - JUNE 2013

Diploma in Computer Engineering

Technical Education Board - Gandhinagar, Government Polytechnic
AHMEDABAD, GUJARAT, INDIA

JULY 2007 - JUNE 2010

Awards & Talks

Pace setter award

Azoi.Inc

Pace setter award was for BAAS (Back-end As Service) development efforts and contribution. I also got appreciation from team lead for efforts and work I had done in this project.

Europython 2015 Speaker, Bilbao, Spain

Presented a talk on "Python Concurrency and Parallelism Multiprocessing and Multi-threading".

Personal

Marital Status Single

Languages English, Hindi, Gujarati

Hobbies Surfing, Learning, Exploring

Nationality India

Date of birth 25th Nov. 1991

Hometown Ahmedabad, Gujarat, India