

# Gopi Krishna

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## CONTACT

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## TECHNOLOGIES AND SKILLS

- Comfortable working in Linux Environment.
- Hands on experience in Python, Django web Framework, AngularJS, JQuery and Bootstrap.
- Complete Project End To End Development and Deployment.
- Configured and Deployed django projects on Nginx and Unicorn.
- Configured External database for Django.
- Comfortable in developing and integrating RESTful APIs.
- Having sound Knowledge on APIs like Digitalocean API, Sphere Engine.
- Basic Knowledge on Python Selenium testing.
- Comfortable with Git.

## WORK EXPERIENCE

### Cybermotion Technologies Pvt Ltd

June 2016 — Present

Software Developer

- Worked as a developer for 3 projects.
- Developed Models for database, Logical views and algorithms as per client needs.
- Weekly Report of work which is completed.
- Making Documentation for work or changes which we have done.
- Creating Run books for particular deployment or development.
- Technical support for developed applications.
- Deploying projects for staging and production.
- Basic Testing with using Python Selenium.

### Knowledge Ashram

Aug 2015 — Jun 2016

Software Developer

Worked for WILP(Work Integrated Learning Program) BITS Pilani Goa. Where I have worked on AngularJS with Django

### Rayon box

May 2015 — Aug 2015

Django Intern

Rayon Box is online boutique where i have worked as back-end developer on Django.

## PROJECTS

### 1) Smart Remote Monitoring Application

It is an IOT based project that monitors the devices located at remote areas. Involved in core development and deployment on digitalocean. It provides the features like:

- Monitoring.
- Reporting.
- Data Logging.
- Fault Logging.
- Predictive maintenance to reduce service cost and manpower.
- Ticketing System with Service Level Agreement.

## **Technologies Used:**

### **Front-end**

- AngularJS
- Bootstrap, CSS3,
- HighCharts
- Simple Line icons and font awesome
- Google Maps

### **Back-end**

- Python
- Django
- Django-crontab
- Darksy
- Django crispy forms

### **Database:**

- Postgresql

## **Responsibilities:**

### **User management System**

- Developed database Schema for user Management system.
- Developed user Authentication and permissions.
- Set permissions and dashboard access to users according to their roles.
- Written Custom user model as per requirement.
- Developed and designed the templates for user management system.

### **Dashboard**

- Developed current status which shows the on/off status along with parameters of device.
- Generation and displaying current day data graph using an ajax call.
- Developed history data graph with the selected date range.
- Geo-tagging of the device on google maps.
- Data downloading feature over the selected range.
- Developed Fault notification system where user is notified through Text Message(SMS) when device is malfunctioned.
- Developed Suspending feature which suspends device when it malfunctioned more than permissible limit.
- Developed Report generations over selected period.
- Developed Scheduled task which pulls data from remote server and saves to database.
- Scheduled task which generate cumulated and average values, which is further saved into database.

### **Ticketing System**

- Developed database Schema for Ticketing system which follows Service Level Agreement.
- Developed features like Raising, updating and resolving the ticket.
- Automatic Ticket Escalation as Per Service Level Agreement time limit by scheduled tasks.
- Linking ticketing system with Inventory management for required parts approval.
- Developed notification system for ticketing which includes text message, dashboard and Email notifications.

## 2) Inventory Management

This is an internal application where the stocks are managed with reference to purchase order number, price of the purchase and selling price.

### Responsibilities:

#### User Management and Authentication

- Traditional user Sign-up and Login with username, password.
- Registering user with different permissions(Admin, Normal user).
- User update, delete.

#### Stocks Management

- Developed templates and logic for inbound.
- Developed templates and logic for Outbound.
- Notifying user when stocks reaches minimum Level.
- Exporting data in Excel and CSV format.
- Displaying Inbound and Outbound in graph over selected period of days.
- Grouping of inventory items is implemented.

### Technologies Used:

#### Front-end

- AngularJS
- Bootstrap, CSS3,
- HighCharts
- Simple Line icons and font awesome

#### Back-end

- Python
- Django
- Django mathfilters
- Django crispy forms

#### Database:

- Postgresql

## 3) E-learning Application (Yet to release)

It is an online learning platform which overcomes the traditional way of learning. Where user will be learning core course along with a related framework followed by deployment. Involved in developing LMS, CMS and Grouping.

### Responsibilities:

#### User management System

- Developed database Schema for user Management system.
- Developed user Authentication.
- Token based authentication.
- Written Custom user model as per requirement.
- Developed and designed the templates for user management system.
- Developed registration logic for users, mentors, Employer and Admin.

#### Learning Management System

- Designed and developed Catalogue display for Courses.
- Developed Course Registration, Content display.
- Developed MCQ based Quiz using Ajax.
- Grouping of Users.
- Integration of LMS with Sphere Engine API for Execution of scripts.
- Integrated Digitalocean in creation of droplets during course enrol using Digitalocean API.

## Technologies Used:

### Front-end

- AngularJS
- Bootstrap, CSS3,
- Simple Line icons and font awesome

### Back-end

- Python
- Django
- Django-crontab
- Django crispy forms

### Database:

- Postgresql

## 4) ProMon

Promon is a Process monitoring tool which is useful for large scale industries. Where It can monitor processes every day, displays it using Google charts and sends an email alert to the registered email address. It shows a overview page where user can check the average running time of a particular process.

## 5) WILP(Work integrated Learning Program)

WILP(Work Integrated Learning Program) is for BITS Pillani Goa project . Where I have worked on AngularJS with Django. This provides Platform for employees who wants to get video sessions classes of particular course.

## EDUCATION

### Bachelor of Technology in Computer Science

November 2009 — April 2013

VRS and YRN College of Engineering and Technology

Obtained the B-tech degree with 64 %.

## INTERESTS

- Bike Racing
- Assembling and building Robots
- Listening to music
- Surfing internet

## REFERENCES

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