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| Khasim Shaik | San Jose, CA  (313) 473-0543  shaikkhasim1004@gmail.com  https://www.linkedin.com/in/khasim-shaik-5975b8175/ |

* Versatile Software Engineer with 5 years of IT experience in **Python, Django, Web Designing, AWS**. Strong in data structures, **algorithms**, software design and problem solving.
* Used **Django** Framework in developing web applications to implement the model view control architecture.
* Good Experience of Databases such as **MySQL**, **Microsoft SQL Server**, **PostgreSQL**, **SQL/PLSQL** concepts & **PowerShell**.
* Experienced in working with server side technologies including **databases**, **Restful APIs** and **MVC** design patterns.
* Knowledge about setting up Python **REST API** Framework using **Django**.
* Experience with Web Development, **Amazon Web Services i.e. EC2, S3, Boto3, DynamoDB, AWS Lambda, SES, SQS**.
* Developed web applications in **Django Framework model view control (MVC)** architecture.
* Used **Jinja** templating engine with Django and Flask to create templates. Also used javascript in Jinja templates.
* Worked on **microservices** based application. Also migrated the monolithic application into microservices.
* Design and Develop RESTful web services that will allow a presentation layer to submit query request to **ElasticSearch**.
* Experienced in **WAMP** (Windows, Apache, MYSQL, and Python/PHP) and **LAMP** (Linux, Apache, MySQL, and Python/PHP) Architecture.
* Used **pandas** analyze data with Python and used it as the tools in data munging/wrangling.
* Worked with the **file system** and **file handling** using Python.
* Experienced in installing, configuring, modifying, testing and deploying applications with **Nginx, uWSGI and AWS**.
* Familiar with **JSON** based **REST** Web services and Amazon Web services.
* Experienced in working with various Python Integrated Development Environments like NetBeans, PyCharm, PyScripter, Spyder, PyStudio, PyDev and Sublime Text.
* Skilled experience in Python with proven expertise in using new tools and technical developments (libraries used: libraries- **Beautiful Soup, Jasy, Numpy, Scipy, Matplotlib, Pickle, PySide, Python-twitter, Pandas dataframe, networks, urllib2, MySQL dB** for database connectivity) to drive .com.
* Strong expertise in development of web based applications using **Python, Django, HTML, XML, Angular JS, CSS, DHTML, JavaScript, JSON and JQuery**.
* Experience in working with Python ORM Libraries including **Django ORM**.
* Experience in **Test Driven Development** and **Behavior Driven Development** methodologies for consulting firms and enterprise projects.
* Good idea about testing tools like **Bugzilla and JIRA**.
* Worked with **OpenCV** for object detection and augmentation.
* Complete understanding of Software Development Life Cycle on **Scrum** and **Agile** Methodologies. Expertise in UNIX shell scripting
* Skilled **DevOps** engineer with experience in traditional workflow approaches and tooling for automated build, delivery and release of software.

# Skills

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| Python 2.7, Python 3.x, PHP, DotNet, Javascript, Jquery, HTML, CSS, Django, Flask, Pyramid, Twisted, REST APIs, SOAP APIs, Web services, Microservices, OOPS, MVC, MVT, AWS, S3, DynamoDB, RDS, AWS Lambda, SES, SQS, EC2, ELB, EBS, BOTO3, SQL, MySQL, PostgreSQL, DynamoDB, MongoDB, SQLAlchemy, Scrum, Agile, Bugzilla, Jira, Unit testing |

# Experience

### September 2017 – Current

## Sr. Python Developer / OppenheimerFunds, Centennial, CO

* Implemented user interface guidelines and standards throughout the development and maintenance of the application using the Python, Django and AWS.
* Worked on server side applications with Django using Python 3.5 programming.
* Automated the existing scripts for performance calculations using machine library like Writing SubQueries, Stored Procedures.
* Developed embedded tools to provide system control and monitor functionality
* Used pandas API to put the data as time series in tabular format for each time stamp, data manipulation and data retrieval.
* Experience with continuous integration and automation using Jenkins.
* Developed and tested websites using MEAN (MongoDB, Express, AngularJS, Node.js) stack.
* Developed python code for different tasks, dependencies, SLA watcher and time sensor for each job for workflow management and automation using Airflow tool.
* Developed views and templates with Python and Django view controller and templating engine to create user-friendly website interface.
* Aided junior developers in bare-metal programming and embedded software design.
* Have worked on Oracle database for storing and retrieving the application data.
* Utilized standard Python modules such as CSV, itertools and pickle for development.
* Configured Topology Objects and Reverse-engineered database tables in Models.
* Responsible for on boarding Application teams to build and deploy there code using GitHub, Jenkins, and Ansible.
* Utilized MEAN stack, REST design pattern, MVC framework and Single Page Applications framework based on AngularJS.
* Delivered automated solutions for science models and maintained & updated existing automated solutions.
* Played a key role in the planning, testing, and implementing system enhancements and conversions.
* Aided junior developers in comprehending embedded systems architecture and design.
* Designed the front end of the application using Python, HTML, CSS, AJAX, JSON and JQuery. Maintaining SQL server database and updating PHP script.
* Strong Data Querying/SQL and UNIX Shell Scripting skills. Possess excellent skills in Manual Testing and automated testing.
* Implemented code to consume messages from streaming data platform (SDP) using Apache Kafka.
* Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed to reach one or more AWS EC2 instances.
* Worked on Django based web application with REST APIs from scratch.
* Worked on medical data of patients, physicians and their prescriptions.
* Stored and consolidated the data in MongoDB using PyMongo.
* Created reports and charts using Pandas and matplotlib.
* Worked mainly developing new features based in Python and Django along with MySQL database.
* In addition, occasionally I developed simple functions and features based in AngularJS.
* Developed Merge jobs in Python to extract and load data into MySQL database.
* Successfully migrated the Django database from SQLite to MySQL to PostgreSQL with complete data integrity.
* Trained and documented initial deployment and Supported product stabilization / debug at the deployment site.
* Designed and developed Use-Case Diagrams, Class Diagrams, and Object Diagrams using UML Rational Rose.

**Environment:** Python 3, Django 1.8, Pandas, Numpy, HTML5, CSS, XML, MySQL, JavaScript, Backbone JS, JQuery, CSS Bootstrap, MongoDB, T-SQL, JavaScript, Eclipse, Git, GitHub, JIRA, AWS, Linux, AWS Lambda, EC2, S3

### September 2016 – August 2017

## Python Developer / New York City Housing Authority, New York, NY

* Implemented Python alongside using various libraries such as matPlotLib for charts and graphs, MySQL dB for database connectivity, PySide, Pickle, Pandas dataframe, network, urllib2.
* Develop programs to automate the testing of controller in CI/CD environment using Python, Bash script, Git and Linux command line.
* Developed Python based API (RESTful Web Service) to track the events and perform analysis using Flask.
* Designed and developed Application based on the Flask MVC Framework using MVC design pattern.
* Successfully migrated the Flask database from SQLite to MySQL to PostgreSQL with complete data integrity.
* Involved in Developing configuration management, packaging, disaster recovery and delivery systems based on zc.buildout and Python.
* Used Test driven approach for developing the application and Implemented the unit tests using python Unit test framework.
* Used EC2 Container Service (ECS) to support Docker containers to easily run applications on a managed cluster of Amazon EC2 instances.
* Virtualized the servers using the Docker for the test environments and dev-environments using Docker containers.
* Handled real-time data feeds through Apache Kafka and designed and Set up environment of MongoDB with shards and replica sets (Dev/Test and Production).
* Provided automation, used Configuration Management Tool, Chef and Integrate the dynamic pages with JavaScript ,Bootstrap and jquery to make the pages dynamic.
* Using Ansible inventories to define groups of hosts Exceptional Customer Service
* Creating Ansible playbooks Using Ansible playbooks to configure systems to a specified state.
* Creating and using Ansible templates to create customized configuration files for hosts technical Support
* Developed rich user interface using CSS, HTML, JavaScript and jQuery. Created a Python based GUI application For Freight Tracking and processing
* Created database using MySQL, wrote several queries to extract data from database.
* Setup automated cron jobs to upload data into database, generate graphs, bar charts, upload these charts to wiki, and backup the database.
* Responsible for debugging the project monitored on JIRA.

**Environment:** Python 2.7, Django, HTML5/CSS, MS SQL Server 2013, MySQL, JavaScript, Eclipse, Linux, Shell Scripting, JQuery, GitHub, Angular.JS, Jira, AWS, Google Cloud, EC2

### June 2013 – August 2015

## Software Developer / Accenture, Chennai, India

* Developed web applications in Django model view control (MVC/MTV) architecture.
* Developed a fully automated continuous integration system using Git, Gerrit, Jenkins, MySQL and custom tools developed in Python.
* Managed, developed and designed a dashboard control panel for customers and Administrators using Django, Oracle DB, PostgreSQL and VMWare API calls.
* Used python modules such as requests, urllib, requests, HTML Parser, BeautifulSoup for web crawling.
* Used SSE (Server Side Event) for collaboration of multiple users and database synchronization.
* Configured AWS IAM and Security Group in Public and Private Subnets in VPC.
* Created AWS Route53 to route traffic between different regions.
* Next Medium Embed Platform is a Monetization Advertisement Placement Platform.
* Migrated the legacy application in Python from PHP maintaining the business logic intact along with feature scaling and developers new features.
* Developed the required XML Schema documents and implemented the framework for parsing XML documents.
* Migrated the legacy **PHP based application to Python Flask Restful application**.
* Performed object-oriented Python, Flask, SQL, Beautiful Soup, httplib2, Jinja2, HTML/CSS, Bootstrap, jQuery, Linux, Sublime Text, git.
* Part of team implementing REST API in Python using micro-framework like Flask with SQLAlchemy in the backend for management of data center resources.
* Conducted scrum meetings and generated custom dashboards.
* Designed and developed MVC applications for OpenStack.
* Implemented web components utilizing JSP and server side components.
* Performed user validations on client side as well as server side.
* Interacted with QA to develop test plans from high-level design documentation.

**Environment:** Python 2.7, Django, HTML5/CSS, MS SQL Server 2013, MySQL, JavaScript, Eclipse, Linux, Shell Scripting, JQuery, GitHub, Angular.JS, Jira, AWS, Google Cloud, EC2

# Education

### [May 2013]

## BE CSE, JNTU Hyderabad

### [September 2016]

## MS CS, Silicon Valley University, San Jose, CA