Rakesh Dodda
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Education:

- **Master of Sciences in Information Systems Technologies** from Wilmington University, Delaware
- **Master of Sciences** in **Information Security** from International Institute of Information Technology Hyderabad, India.
- **Bachelors of Technology in Information Technology** from JNTU University Hyderabad India

Skill Set:

Programming:	Python (2x/3x), Java, C, C++, PHP, Perl and Shell
Frameworks:	Django, Flask, Tkinter, and Twisted
Cloud Computing:	Amazon AWS, Heroku, Rackspace, Digital Ocean and Google App Engine.
Databases:	MySQL, PostgreSQL, MongoDB, Redis, CouchDB, Oracle and SQLite
Scripting:	HTML, CSS, JavaScript, JQuery, AngularJS and Bootstrap
Web Servers:	Nginx, Apache, Gunicorn and Tomcat
Version Controls:	Git, SVN and TFS
Data Formats:	XML and JSON
Environments:	Agile and Waterfall
Platforms:	MAC OSX, Linux (RedHat, Ubuntu, Fedora, CentOS) and Windows.
Software Tools:	PyCharm, Eclipse, Aptana, Komodo, NetBeans, Sql plus, GitHub, VirtualBox, MySql Workbench, PG Admin.

Work Experience:

Zipari, Brookyln, NY
Python Developer   **Sep 2017 – Present**

- Responsible for building various Zipari products and provide team with technical expertise in design, development and systems integration.
- Excellent Python coding skills and understanding of Python best practices (PEP8).
- Strong knowledge of Python web frameworks such as Django and Flask.
- Strong knowledge of building RESTful API's using Python (Django Rest Framework).
- Solid database skills in relational databases (i.e. PostgresSQL, MySQL, etc).
- Experience building micro services architecture styles.
- Experience and in-depth knowledge with Linux-based development.
- Good understanding of continuous integration and deployment services with Jenkins.
- Experience with developing user authentication and authorization solutions.
- Proficient on version control tools such as git.
- Ability to balance competing priorities in a very dynamic and fast-paced environment.
- Excellent detail-oriented, problem solving skills and the ability to quickly learn and apply new concepts, principles and solutions.

- Designing and developing cloud based software products conforming to industry best practices.
- Evaluating emerging technologies, open source libraries and providing recommendations.
- Participating in architectural design sessions and product discussions.
- Working closely with front-end and UX developers to provide scalable solutions.

Bank of America, Jersey City, NJ
Application Developer   **Aug 2016 – July 2017**

- Responsible for developing, enhancing, modifying, and maintaining applications in the market risk environment.
- Worked on Quartz based applications for CPDM team and Performance tuning and optimization to reduce execution time and memory footprint.
- Becoming proficient in the Quartz Financial Stack and the entire Quartz platform, accelerating productivity.
- Used Python 2.7 for building the application. Project uses custom-built No-SQL database called Cesium to store the data.
- Created standalone Java programs to read data from external files and insert into the Database as needed by the Testing team.
- Responsible for writing J2EE compliant code using Java for an application development effort. This involves working with JSP, Servlets, JDBC and JSON.
- Primarily involved in modifying existing CPDM system to reduce the need of most overrides.

DigitasLbi, NY, NY
Principal Software Engineer   **Mar 2015 – Apr 2016**

- Designed and developed a coherent data model that added metadata for deeper reporting and analysis.
- Built application logic using **Python 2.7, Django 1.8** and **MongoDB/MySQL**
- Used **Pymongo 3.0** library to interact with **MongoDB 3.2**.
- Worked with **Java/J2EE** Design patterns like singleton, Abstract Factory and Adapter Pattern.
- Migrated data from MongoDB 2.6 to 3.2 and implemented **Map-Reduce** scripts for data **aggregation operations**.
- Built the application using Front-End technologies like **AngularJS, Jquery, UI-bootstrap**.
- Worked with good enough third party django apps, like **Reddis, RabbitMQ, djcelery.**
- Created **Shell scripts** for build **data validation**, **automation, Cronjobs** and **deployment** onto various environments without any manual efforts.
- Handled **large data sets** from various media companies like Double Click.
- Experience working with **Virtual environments** like **Vagrant, Virtualenv.**
- Expertise in developing Restful Web services and integrating them with the Front-End.
- Worked on building UI with **HTML, AJAX, CSS, JavaScript** and **JQuery**.
- Worked on **Bootstrap**, **AngularJS** and other **Search modules** API's.

Pruf Inc, NY
Co-Founder   **Sep 2013 – Dec 2015**

- Worked on Architecting, design, development and maintenance of the web and mobile applications.
- Built application logic using **Python 2.7, Django** and **MySQL**
- Worked with good enough third party django apps, like **djcelery, django-all-auth** and **django rest frameworks**
- Created **Shell scripts** for build **automation** and **deployment** onto various environments without any manual efforts
- Experience working with **virtual environments** like **Virtualenv**, **Vagrant** and **tox.**
- Used **RESTful** Web Services in the application development.
- Developed GUI using **HTML, AJAX, CSS, JavaScript** and **jQuery**
- Worked on **Bootstrap**, **AngularJS** and other **Search modules** API's.
- Used **Restful** Web services for integration with many monitoring devices.
- Considerable knowledge with **deployment** of **servers**.
- Used **Google Analytics API** to analyze web traffic and **OAuth** for authentication
- Built python scripts to **backup MySQL/mongo DB** databases to **EC2**
- Experience working with **noSQL database** like **Mongo DB**
- Have a good understanding of **Agile** methodologies.
- Experience working with **Git** and **Bitbucket.**
- Wrote shell script for short term requirements

Environment: Python 2.7, Django 1.8, MySQL, MongoDB, MAC OSX, Linux, HTML, CSS, JQuery, JavaScript, Nginx, and GIT.

Mutual Mobile Inc, Austin, TX / Hyderabad India
Full Stack Python Engineer / DevOps   **Jan 2011 – Aug 2013**

- Responsible for gathering requirements, system analysis, design, development, testing, deployment and Implementation of various stand-alone, client-server enterprise applications.
- Worked with various internal projects under **DevOps**.
- Created **Shell scripts** for build **automation** and **deployment** onto various environments without any manual efforts.
- Managed **Staging** and **Production** servers and configured **Cron Jobs**.
- Developed **Desktop** applications using **Tkinter** framework to ease few internal problems.
- Developed rich user interface using **CSS, HTML, JavaScript** and **JQuery**.
- Used **JSON** for serialization, transmitting structured data over a network connection.
- Used **Django, Flask** and **web2py frameworks** for different internal applications.
- Created database using **MySQL**, wrote several queries and Django API's to extract data from database.

- Experience working with **noSQL database** like **MongoDB** and **CouchDB**
- **Migrating data** from MySQL to Mongo DB.
- Used **Django Database API's** to access database objects.
- Used **RESTful** Web Services to read the XML content from suppliers.

Info source Techsystems, Hyderabad, India

Associate Software Engineer   **Dec 2009 – May 2010**

- Involved in designing the user interfaces using **Java JSP's**.
- Developed UI with **AJAX, DHTML** and **JavaScript** for more interactive web pages. Developed the application using **MVC Framework** that leverages classical **Model View Controller** (MVC) architecture.
- Implemented the application using the concrete principles laid down by several design patterns such as **MVC, Service Locator,** and **Singleton**.
- Deployed the applications on **Apache Tomcat Application Server.**
- Worked on Oracle database, creating **Tables, Views** etc.
- Using **Java Script** mostly for the client side validations.