

Sr. Python/Django Consultant Sr. Python/Django Consultant Sr. Python/Django Consultant Santa Clara, CA Full stack Python developer with around 6 years of experience. Around five years of experience as a Software Developer using Python, Python MVC Frameworks -Django, Flask, TurboGears, etc., scripting, backend, middleware, etc. Worked on B2C and internal automation tools using scripting and Python web frameworks (mostly Django for three years). Experienced Python Developer working on multiple Python frameworks with OOP, (web, HTTP(S), Testing, built-ins and various 3rd party modules. Experienced with both Python 2.7 and 3.x Experienced with RDBMS (MySQL, Postgres, SQLServer, etc.) and NoSQL (MongoDB, Hadoop, Cassandra, etc). Experienced with data modeling, optimization, SDLC, Agile/Scrum Experienced with data analysis, manipulation, ETL, NumPy, Pandas. Experienced with middleware processes - AMQP, Celery, SMTP, etc. Proficient with Web servers such as Apache and knowledgeable with Shell and Bash scripting. Experienced with CI/CD using Atlassian tools, Jenkins, etc. Used and created REST APIs in several projects exposing/posting data with RESTful endpoints, and experienced with various front end tools such as HTML, CSS, JavaScript and frameworks - AngularJS, and Meteor. Worked as the Project Lead for a system monitoring application. Worked as a PhD student and taught at the University of Nebraska, Lincoln, NE and obtained Master of Arts Degree in Philosophy

Hold a Bachelors' Degree in Engineering from National Institute of Technology (NIT) from Trichy, India with a major in Metallurgy Job gap from Jan 2016-present was due to health reasons and been in India since and have almost fully recovered, and ready to start a new assignment.. Last two consulting assignments were at Genentech in So. San Francisco and Visa in Foster City as a Senior Backend Developer Consultant. Authorized to work in the US for any employer Work Experience Sr. Python/Django Consultant November 2016 to June 2017 This project was to design a prototype for an IoT system for the tea gardens in my state. This was done together with my friend, owner of Flugelsoft. Design the IoT system Configure RaspberryPi to collect, format, and send over REST API to the SDK Collect data using RaspberryPi sensors on the ground Use a Django SDK to receive data at the backend (using Postgres and MongoDB) Build Views and serialize them with.djangorestframework Develop user-based queries as well as pre-arranged data

analysis    Use Django/Jinja templates along with Tableau for the results on the UI    Environment: RaspberryPy, Django, Python, Restful APIs, Tableau, Linux    Senior Developer Consultant Genentech - San Francisco, CA July 2015 to December 2015    Developed a Django app for accessing MongoDB. The Human Genomics section works with massive datasets but they do not have a web interface to access it. The Django app allows for such an interface with provisions to perform CRUD operations.    Requirements Gathering from the Genomics team    Developed Application - One interesting aspect of this application is that it bypasses models and Database settings entirely and uses low-level PyMongo directly from views.    Result - Most of the queries, csv downloads are operational involving debugging as well as file upload features.    Created RESTful endpoints    Provided unit test and made sure testing coverage was taken into consideration    Made Django work with NoSQL (MongoDB) without any in-built adapters and 3rd party packages.    Used Django REST framework and AngularJS (with Django templates) for exposing APIs    The app works with a distributed MongoDB setup with middleware    Adopted use of MeteorJS, HTML, CSS for a reactive dimension to the results.    Environment: Windows, RHEL, MongoDB, JSON, Python, Django, RESTful API    Senior Developer Consultant Visa - Foster City, CA January 2015 to June 2015    Project: Worked on a reporting tool for Penetration Testing    Set up environment    Provided Django feature enhancements - created RESTful APIs for data entry, exposure and manipulation    Provided Django tutorial for Visa PenTest team    Upgraded Django (1.6-->1.7) , Python (2.7.6-->2.7.9) and other libraries    Created template additions, integrating TinyMCE editor    Responsible for CI/CD adoption    LDAP integration and group permissions tuning    Unit test creation and testing    Database Normalization    Database migrations    Enhanced DB search    Bulk Image Uploading    SDLC plan creation    Environment: Win7, CentOS7, Python27, Django1.7/1.6, SQL Server, SQLite, WYMEEditor/TinyMCE, virtualenv, python-ldap, PIL/Pillow, nose, etc.    Python Developer (Remote) Pictage - Gilroy, CA June 2014 to September 2014    Set up Environment within Ubuntu VirtualBox    Performed debugging using nose, fudge, unittest    Added, modified features within Turbogears, templating engines, MySQL, Postgres, MongoDB    Designed, implemented RESTful API's for authentication, controller manipulation    Wrote DDL, DML scripts for MySQL,

Postgres, MongoDB    Worked with data from all three sources - MySQL, Postgres, MongoDB    ETL processing,    Celery, RabbitMQ services    Emailer services using SMTP    Created multi-page application using AngularJS    Worked with daily SCRUM and Agile environment    Environment: Python, TurboGears, MySQL, Postgres, SQLAlchemy, MongoDB, Mako, Celery, RabbitMQ, SMTP, Virtualbox - Ubuntu, Mac, Bash, Virtualenv, Fudge, VPN, Atlassian Suite, etc. Python Developer Mahindra - Redmond, WA March 2014 to May 2014    Built internal tools and made them web accessible    Configured servers, operations mgmt. tools    Migrated desktop apps to web apps    Designed Django web site    Integrated Django with Rundeck's REST API    Designed RESTful API with.djangorestframework    Developed wifi linkups with field routers using Python libraries/Bash.    Developed DB Schemas    Performed Refactoring, Optimizing on existing Python codebase    Environment: Python, Django, MySQL, Tkinter, Paramiko, Fabric, ssh, wifi, PyCrypto, HTML, CSS, Javascript, jQuery, Rundeck, Apache, Windows, Ubuntu, SVN, etc. Lead Software Engineer Maan Systems Inc - Newark, CA August 2013 to March 2014    Worked in an application that would provide real time systems monitoring, corresponding alerts, etc.    Developed middleware using Python    Configured and wrote MySQL queries    Multi-tenancy MySQL    Led team with the Sr. Architect    Integrated Hadoop ecosystem, HDFS, OpenTSDB, MySQL, etc.    Distributed DB processing using PySpark, M/R    Integrated agents with backend app using REST API    ETL processing    JDBC coding with MySQL    Developed an Android mobile phone app using QPython, Kivy, Java, Bulldozer, Linux, APKs that alerts users if thresholds are crossed, set thresholds, aggregate results.

Configured Apache, Tomcat, AWS    Developed distributables/bundles as source files, binaries of agents (wrote the setup.py modules) for different Platforms - Windows, Mac, Linux    Optimized technology solutions for business logic    Screened and interviewed candidates    Environment: Hadoop, HBase, CouchBase, openTSDB, MySQL, Python, Java, Spring, PySpark, Map-Reduce, RabbitMQ, py/2exe/2app/installer, HTML, jQuery, Windows, OS X, Linux, etc. Backend Developer Maan Systems Inc - San Diego, CA August 2013 to August 2013    Debugged Pylons code    Created cronjobs    Created Log files    Environment: Pylons, Windows, Linux, PuTTY, Bash Software Developer Maan Systems Inc - San Francisco, CA August 2013 to August 2013    Analyzed site/UI

requirements) Developed API Integrations, Feedback Tools (w/ FB), GUI features Tested, debugged features, Configuration, Split-testing Environment: Windows, Git, Python, Heroku, Postgres, SQLAlchemy, Flask, PIL, etc. Web Developer (Contract) Dinnerwire - Davis, CA March 2013 to March 2013 Set up/documented development server Debugged issues using Python libraries Processed code via Github Environment: OS X, Pylons/Pyramid, Python, Postgres, Psycopg2, SQLAlchemy, Apache, Git Python Developer Glass - Lewis, CO October 2012 to December 2012 Worked with 3rd party dynamic data flowing into MySQL and developed UI features that updated as new data flowed back and forth from MySQL Created dynamic graphs using NumPy and Matplotlib Added new features to the UI - for instance, added tabs with forms for data manipulation. Worked with many existing and new Python, and ancillary libraries in the code Wrote SQL procedures, functions for manipulating database and retrieving data, defined new schemas Devised and implemented test plans, automated testing Performed debugging Cross Platform work on both PC and Unix Environment: Windows, Mac, Python, Unix, Windows, NumPy, SciPy, Matplotlib, SVN, PyQt, MySQL, SQL, XML, BeautifulSoup, and Apache Python Developer Personal Training with Python, Django March 2012 to September 2012 Sample Personal Project Django file drag and drop web app Allows file drag and drop functionality, saves it and allows viewing/editing/etc. privileges upon access Authentication, different file format, blob support, etc. Environment: OS X, Django, HTML, CSS, Javascript, jQuery, Python, MySQL, etc. Self-taught in Python, Django, and other technologies, Theory Lecturer - Department of Philosophy/ Instructor University of Nebraska - Omaha, NE 2004 to 2011 - Teaching Assistant - PhD Student Designed Syllabi, Selecting Textbooks/Topics/Assignments/Reading List Organized and structured courses Lectured and interacted with students from diverse socio-economic-academic backgrounds. Prepared assignments Graded assignments with comprehensive feedback One-to-one meetings with students discussing their issues and trying to resolve them together Took student evaluations, Department Chair's evaluations Lab Asst Cargill Foods June 2004 to August 2004 Engineer/Sales Flowserve Sanmar Limited - Delhi, India 1996 to 1999 Sales/Support of flow control equipment/systems, such as, mechanical seals, O-rings, etc. Requirement gathering and analysis

Competitor analysis   Negotiations (Technical and Commercial)   Regular client visits for technical support and sales   Discussed and resolved engineering issues   Prospected new clients   Electronic Prospecting/Sales-Phone, Email, etc.   Product presentation   Trained new engineers -- both within the organization and at clients'   Diversified client portfolio -- end clients, OEMs, contractors; large geographic region; very small units to very large ones   Provided documentation   Trained in all divisions of the conglomerate   Developed corporate marketing communication for clients   Education Master of Arts in Philosophy in PhD student University of Nebraska - Lincoln, NE 2007 Bachelor of Engineering in Metallurgy in Metallurgy National Institute of Technology (NIT) - Tiruchchirappalli, Tamil Nadu 1995 Skills API (3 years), Django (4 years), HTML (1 year), RDBMS, NoSQL (5 years), Python (5 years) Additional Information TECHNICAL SKILLS: Languages: Python 2.7, 3.x, Bash, SQL, Java (core) MVC Frameworks: Django and any Python related MVC framework Database: MySQL, Postgres, MongoDB, Hadoop, Redis, HBase, openTSDB, etc. Web/App Servers/Cloud: Apache, AWS, Openstack, Rundeck Web Services/API: RESTful APIs, JSON, XML Data Analysis/Manipulation: NumPy, Pandas, Python-ETL, etc. Networking: Linux, wifi w/ Python libraries & Linux-Bash, VirtualBox Front-end/Web: HTML, CSS, JavaScript, Meteor, Angularjs GUI: PyQt Testing/VCS: Unittest, doctest, Nose, Mock, Coverage / Git, Stash, SVN Mobile Apps: QPython, Kivy for Android apps. IDE/Text Editors: Pycharm, Sublime, Vim, TextWrangler, IPython, VS OS: Mac , Windows, CentOS/RHEL, Ubuntu, VM, VPS

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