**Rannell Robertson**

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**QUALIFICATIONS SUMMARY**

* 5+ years of software designing and development experience with **Python/Django/Flask** web framework, **Javascript** and **MEAN (MongoDB, ExpressJS, AngularJS/Angular2, NodeJS)** stack web framework and REST web services.
* Proficient in the use of various Front-End Web Development Technologies including **HTML/HTML5, CSS/CSS3, JavaScript, JQuery, AJAX, JSON, Bootstrap, AngularJS, Angular 2, Express and Node JS.**
* Experienced with **Python Machine Learning** **libraries** such as **Numpy, Scipy, Matplotlib, Pandas** for data analysis.
* Understanding of **Python Deep Learning libraries** such as T**heano, Keras, TensorFlow**, etc. to create neural networks for social media monitoring application.
* Experienced in working with Angular 2 concepts like **Directives, Components, Router, Data Binding techniques, Reactive Forms, Form Validations.**
* Experience in developing **Responsive Web Application** utilizing **Bootstrap Grid System**.
* Experience working with **Python web scraping and http modules** such as **Scrapy, BeautifulSoup and Requests.**
* Hands on experience in Designing and developing API's for the application using **Python, Django, MongoDB, Express, AngularJS, and NodeJS**.
* Worked with Python’s **nltk** for adding natural language processing functionality to various programs.
* Experience in RDBMS and NoSQL database technologies such as **MySQL, SQL, SQLAlchemy, SQlite,** and **MongoDB.**
* Experienced with **JSON** based **RESTful API** services. Also, have Worked with web services such as **SOAP** and **REST**.
* Practical knowledge of **Django** and **Flask** REST API frameworks to create robust and production quality APIs.
* Understanding of Python’s best practices (**PEP-8**).
* Practical knowledge of various IDE’s such as **Pycharm, Visual Studios, Eclipse, Enthought Canopy**, etc.
* Working Knowledge and understanding o**f Unix/Linux CLI environment**, various **Linux commands** and **BASH** scripting language to create scripts, work efficiently and diligently.
* Strong understanding of **Agile, Scrum, Waterfall Methodologies** in Software Development.
* Very ambitious and determined team player with exquisite time management and communication skills.
* Experienced with project management and version control technologies such as **Git**, **Github**, **GitLab**, and **GitHub.**
* Experienced with **Python Unit test module** for deployment and test-driven development.
* Experience in testing JavaScript front-end applications with **Jasmine** and **Karma.**
* Experience with issue and bug tracking management with **JIRA**.
* Experienced with deployment methods such as **Docker, Google Cloud Platform, Heroku and ngrok**.

**SKILLS AND INTEREST**

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| **Programming Languages** | Python, R, JavaScript, Ruby, Java, C, and C++. |
| **Database** | Mongo DB, SQL, SQL Server, MySQL, Oracle |
| **Frameworks** | Django, Flask, AngularJS, NodeJS, Angular2, ExpressJS |
| **Tools** | Pycharm, Visual Studios, Eclipses, Enthought Canopy, Command line, Fiddler, Postman, JIRA, Jasmine, Karma, Python unit testing. |
| **Version Controls** | Git, GitHub, GitLab, GitHub Desktop |
| **Servers** | Apache, Ngnix, Tomcat, IIS |
| **Operating Systems** | Windows, Linux |
| Python Libraries | Numpy, Pandas, Matplotlib, Scikit-Learn, Requests, Re, Pymongo, Pymysql, Pysql, Psycog2, BeautifulSoup, Scrapy, Keras, TensorFlow, Nltk |
| Web Services | REST, SOAP |

**WORK EXPERIENCE**

**SunTrust Banks Inc, Somerset, NJ July 2017 to January 2018**

**Role: MEAN Stack Developer**

**Description**: SunTrust Banks, Inc. is an American bank holding company, bank’s primary businesses include deposits, lending, credit cards, as well as trust and investment services. While also included corporate and investment banking, capital market services, mortgage banking, and wealth management. SunAnalytics is the application used for credit analysis with the extension of communicates secure customer information for each level of analysis process. It allows banks to book loans faster with better consistency, transparency and bring the standard to the analysis process for each lender. It can also use for managing the risk for manager level as they can keep track of all the outstanding exposure and allow them to analyst the global picture of company cash flow. The application is mainly for internal use in credit analysis process with the different role authorization to take specific activities on the web application.

**Roles & Responsibilities**:

* Developed this project using **MongoDB, Express, Angular 2, Node.JS, JavaScript, TypeScript, HTML5, CSS3, BootStrap.**
* Designed and Developed various **Angular 2 Component (/ngModule), Services (observable/promises),**

**Directive and Pipes using TypeScript**.

* Used **Angular 2 CLI** commands for productivity and global/generic building blocks.
* Designed and developed a **responsive UI** page using **BootStrap**
* Used **RxJs** library for **observable**, map and subscribe to fetch data using **Node.Js.**
* Connected the database and the application server by using the Node.js driver and Mongoose library and created a RESTful API server with **Node.js** and **Express.**
* Created methods (get, post, put delete) to make requests to the API server and tested **Restful API** using **postman**
* Developed and performed test cases using **jasmine** and **Karma** in the unit test.
* Responsible for debugging and troubleshooting the web application.
* Familiar in updating, accessing and version controlling the code using **Git** and used **Git Bash** to run the Git commands.

**Environment**: Angular2, MongoDB, Express Node.JS, JavaScript, TypeScript, HTML5, CSS3, BootStrap, Atom, Postman, Karma, Jasmine, GitBash

**Metro Health, Staten Island, NY Sep 2016 - Jun 2017**

**Role: Python Developer**

**Description**: The Metro Health System is one of the biggest, most complete social insurance suppliers in Northeast Ohio, serving the medicinal needs of the Greater Cleveland community for about 170 years. An intranet web-based interface is produced, which permits the doctors to give proficient, successful care to patients influenced with incessant illnesses. Furthermore, gives a health data administration programming which computerized basic capacities, including report imaging and administration, doctor inquiry, diagram examination and finishing, discharge data, electronic medical record and so forth. I worked on doctor inquiry module which provides a schedule and appointment reminder that helps doctors to schedule appointments with their patients and send appointment reminders to reduce no-shows. There is also built-in messaging feature allows practices to communicate with their billers, patients and employees.

**Roles & Responsibilities:**

* Involved in the various phases of SDLC (Software Development Life Cycle) like Requirements gathering, Analysis, Design and implementation of the project.
* Created this project using **MongoDB,Django,Django REST API, PyMongo, Python Pandas, HTML5, CSS3, Bootstrap**.
* Designed and Developed various **endpoints**, defining **Models, Serializers, ViewSets** and register corresponding URLs to the endpoints using **DRF Routers**.
* Designed and developed a responsive UI page using **BootStrap.**
* Connected the database and the application server by using the Django MongoDB engine driver and PyMongo library and created a RESTful API server with **Django REST API framework.**
* Created methods (get,post,put,delete) to make requests to the API server and tested **Restful API** using **Postman**
* Developed and performed test cases using the **Python Unittest Module**.
* Responsible for debugging and troubleshooting the web application.
* Created data analysis models with **Pandas** to organize appointment and medical records.
* Developed a web spider using Scrapy to extract the data and process it in doctor inquiry module.
* Deployed the application using **Google Cloud Platform**.

**Environment**: Django REST Framework (DRF), PyMongo, MongoDB, Python Pandas, HTML5, CSS3, BootStrap, Atom, Postman, Python Unittest, GitBash, Pycharm, Google Cloud Platform

**CURE Auto Insurance, Princeton, NJ Dec 2014 - Aug 2016 Role: Python Developer**

**Description**: Cure Auto Insurance is the auto insurance service provider and decided to upgrade the existing Auto Insurance Management System which is fully automated and integrated application for managing the Policy plans, Agent Commission, Payment issues and Settlements. This Insurance Management System is to response the information of clients, policy details and premium rates and monitors the policies for delayed payments. It manages different claims per policies, claim settlements and allows coverage verifications. I worked on the client’s modules where customer can get a quote, view their packages, change the coverage, verify premium differences and they have an option to choose the premium years. Once the quote is generated, they can get it through an email or a print service. The customer can also choose to find an agent based on residential zip code of the customer and choose from the list of available agents and get a quote from them.

**Roles & Responsibilities**:

* Developed the insurance management system using **R** packages, Django Web Framework, Python open-source modules such as **Scikit-learn, pandas, numpy and Matplotlib**.
* Developed Statistical tests in R, ranging from **Correlation to One Sample t-Test to Wilcoxon Signed Rank Test** for testing the normal distribution of data set samples and how their variables vary in tandem from their mean.
* Created **Linear, Polynomial, and Logistic Regression Models** to predict the risk and likelihood that a client will file a claim based off the information of clients and generated quotes and premiums using Python open-source modules such as **Scikit-learn, pandas, numpy and Matplotlib**.
* Designed and Developed various **endpoints**, defining **Models, Serializers, ViewSets** and register corresponding URLs to the endpoints using **DRF Routers**.
* Connected the database and the application server by using the **Django PostgreSQL engine driver** and **Psycopg2** library and created a RESTful API server with **Django REST API framework.**
* Created methods (get, post, put, delete) to make requests to the API server and tested **Restful API** using **Postman**
* Developed Authentication and Security using Django’s built-in authentication.
* Developed Front-end templates for management system using **Angular2, HTML5, Typescript**, and **Bootstrap**.
* Deployed the application using **Pynsist**.
* Created client-side/GUI part of application using **kivy**.

**Environment**: RStudio, PostgreSQL, Enthought Canopy, Python Scikit-learn, Python Matplotlib.pyplot, Python numpy, Python pandas, GitHub desktop, GitBash, Python Unittest, PostgreSQL Server, Pynsist, kivy

**The LPL Financial, New Brunswick, NJ Feb 2013 - Nov 2014**

**Role: Python Developer**

**Description:** The LPL Financial is a nation’s leading financial institution that offer an integrated platform of proprietary technology, brokerage, and investment advisor services. The Advisor Portal is a web application used by institution advisors to manage portfolios high net clients. Institute advisors can publish and update contents to the dashboard of the site. They can also use the application to create proposal for clients, compare proposals, data analysis and create backtesting data. Clients were able to monitor service progress and gain reports through the application.

**Roles & Responsibilities**:

* Assisted in the Advisor Portal application development using **Flask** Web Framework and **JavaScript**.
* Designed and wrote server-side web application logic, developed back end templates and components to connect with third party applications using **Flask** web framework, along with **Jinja2**.
* Connected the database and the application server by using the **Flask-SQLAlchemy MySQL engine driver** and **pymysql** library.
* Created a **RESTful API** server with **Django REST API framework.**
* Developed Advisor Portal front end using **ReactJS, HTML5, and Bootstrap**.
* Utilized front-end development testing using **Jasmine**.
* Deploy the Advisor Portal application and Automated using **Docker**.
* Responsible for issue and bug tracking during development of application using **JIRA**.
* Developed back-end server-side application logic using **Node.js** to integrate it with API.

**Environment**: Django, Flask, Jinja2, SQL, Enthought Canopy, Python Scikit-learn, Python Matplotlib.pyplot, Python numpy, Python pandas, GitHub Desktop, Python Unittest, SQL Server, Postman, ReactJS, HTML5, Bootstrap, Docker, Jasmine, NodeJS

**EDUCATION**

**KEISER UNIVERSITY, ONLINE**

*INFORMATION TECHNOLOGY AND PROGRAMMING*

**ADDITIONAL SKILLS**

* Comprehensive hands-on training in **Cloud Technology, Mobile Technology Integration, and Computer Hacking Concepts.**