

Irvin Manzanilla

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Key Skills and Experience

- ☐ Over 10 years' experience in successfully delivering complex IT and business change program
- ☐ Proficient in different design, implementation, integration, test automation and deliver software applications.
- ☐ Strong experience in Core python Functional Programming, Meta Programming.
- ☐ Strongly follow Design pattern , Coding standard, Reviews (black, pylint, flake8 , annotation, datatype)
- ☐ Implemented Asyn design and coding technology to make app more scability
- ☐ Proficient in developing web application framework like DJANGO, FLASK, FASTAPI
- ☐ Hands on experience on Regression Analysis using Data Science concepts with Python libraries (Numpy,SKLEARN, matplotlib)
- ☐ Hands on experience on classification model (Decision tree, ADA boost, random forest)
- ☐ Experience on Time series analysis (ARIMA model)
- ☐ Excellent Management skills including defect management of cross functional teams, stakeholder multilocation teams using Agile SCRUM methodology.
- ☐ Experience on containerize the Flask and Django app (Docker and Docker Compose)
- ☐ Experience on Kubernetes to develop YMAL for production image .
- ☐ Develop many Automated tools to improve business process in Product companies like MacAfee, WD, LG
- ☐ Developed Automated web API's using Selenium, Robot Framework, Appium Framework.
- ☐ Hands on experience on AWS EC2 services for deploying applications.
- ☐ Hands on experience on Automated AWS using Boto3 Library
- ☐ Hands on development creating web page UI using React, VU, Angular Js, Type Script, JavaScript, HTML, CSS.
- ☐ Experience in ETL tools for data cleansing and data warehouse operation
- ☐ Strong knowledge in python data analysis and visualization tools like PANDAS, MATPLOTLIB, SEABORN, PLOTLY DASH
- ☐ Sound knowledge in python ML Algorithm Logistic Regression for Predictive Analysis
- ☐ Worked in Python selenium, PYTEST, PYUNIT, ROBOT, PYWINAUTO32
- ☐ Worked in Redis and Apache Kafka for queue services , messaging for app.
- ☐ AWS, AWS-Lambda

TECHNOLOGY LEARNED

Technology/Tool/Platform	Experience
Python	10 years
GIT	5 years
Django	7 years
C#	2 years
Java script	10 year
Angular js	7 year
AWS	2 years
HTML/CSS	12 years
Flask	4 year
Wordpress	7 year
SQL, MONGO DB	2 years
PANDA, NUMPY	2 year
AWS	2 years
DATA SCIENCE	2 year

Machine learning	Knowledge
Domain knowledge	Storage, Networking, Automotive, Consumer electronics, telecom protocol
Programming skills	Python
Web Technologies	HTTP, JSON, REST API
Testing Framework	Tempest, Dell Unit Test framework, TNG
API Tools	Rest let
Standards	REST API, XML, JSON
IDE	Pycharm, eclipse, Visual Studio
Defect Tracking Tools	Bugzilla, CRMDB, RQM
DevOps Tools	GIT, Docker, Anisble
Tools	Packet Tracer, SIP-NESS, GNS3, wire-shark, Ixla, Maf4
Operating Systems	Linux, Windows

EDUCATION

Beijing Technology and Business University
Bachelor's degree, Computer Science Apr 2005 - Apr 2011

PROFESSIONAL EXPERIENCE

Company - Confidence Europe GmbH – New York

Role - Web and mobile app developer

Sep 2021 - Mar 2022

Working on web and mobile app developing and maintaining. I was a contractor in this Company. I finished dating web and mobile app using Laravel, React, Bootstrap, Kotlin and Swift, MySQL.

Company – Wellsfargo , Charlotte (NC)

Apr 27, 2018 to Sep, 2021

Role: Python Developer

Project -IPV, ILMS

- Develop rest api for admin module , user management
- Develop TDD Unit testing framework and code coverage for all API
- Develop API for cash Calculation using data science technology([statistics](#))
- Develop API for Equity Derivatives and Breach calculation
- Involve ML algorithm to develop prediction model to visualize in frontend
- Involve in backend ETL process development for staging , ingestion table
- Involve in docker ,kubernetes managing services CI,CD pipeline
- Involve in deployment code in DEV, SIT, UAT server
- Involve daily scrum call and code review
- Performed Exploratory Data Analysis to identify trends using Tableau and Python (Matplotlib, Seaborn, Plotly Dash).
- Develop API doc and process doc
- Provide training to other team members about production deployment
- Integrate backend code with front end Angular code

Technology: Python, Redis, Apache Kafka, NUMPY, PANDAS , PLOTLY DASH , PYSPARK, Machine Learning, Django, React, SQL server, Docker, JIRA, Jenkin, GitHub

Company – MacAfee Santaclara/offshore – New York

Aug 2013 - Jan 2018

Role: Python Lead Developer

- TOOL Develop: CERT VERIFICATION for all MacAfee file TOOL and Using Django sending defect analysis mail to stakeholder
- Develop Framework for unit testing, functional testing, regression testing for the MacAfee product.
- The framework developed in Django rest framework. Using this framework User can validate the product with multiple operating system at same time and get the result same time.
- Developed rest API in python which connect vSphere with multiple VMS act as runner.
- Develop rest API for adding TEST suit and TEST plan, execute, publish result.
- This framework has intelligence to describe test script issue or product issue
- Based on analysis logged in zira and categories the defects
- Also do defect analysis, crash monitor, data analytics
- Good understanding of machine learning models such as Supervised learning, Unsupervised learning, Regression, and Classification Linear Regression, Logistic Regression, K Nearest Neighbour, Decision Tree, and Random Forest using Python Packages such as Scikit Learn, Pandas, NumPy, Matplotlib, Seaborn, and Plotly.
- Deployed Django rest automation framework called as Controller on one instance (EC2).
- Manage and monitor multiple instances with windows platform where test execution happens through Ansible.
- Develop Ansible YMAL task script file for executing different multiple file.
- Develop API which creates EC2 instance in could and configure YMAL file to execute 400 test suits in daily execution.

Technology: Rest API(Requests), Python, Pytest, pywinauto, Plotly, PYQT, Django, Angular js, Jenkin Python API, SQL, EC2, Ansible