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Project Development, Training and People management in various Applications.

Professional Preface

⇨ A technology oriented professional with 13+ years of experience in Software Design, Development, Testing Support and People management.

⇨ Currently having 3+ years of experience in Python Programming. Earlier having 10 years of hands-on experience in various IBM & Unisys Mainframe technologies.

⇨ In python, having good understanding of OOPs concepts and various data structures used in Python programming.

⇨ In Django, having good understanding in developing web applications and implementing using Model Templates View (MTV) Architecture.

⇨ In Django, familiar with various concepts used for creating web application such as models, model form, Django Template language (DTL), views, URLs, forms, User authentication, Class Based Views and Django Admin interface.

⇨ Good understanding of using in-built Class Based Views and Object relational mapping (ORM) for performing Create, Retrieve, Update, Delete (CRUD) operations in Active Records.

⇨ Good understanding of writing queries using MYSQL.

⇨ Basic understanding of front-end technologies, such as HTML, CSS & Bootstrap.

⇨ Proficient understanding of DevOps tools such as GitHub.

⇨ Manage team members, allocating resources among team members and recruiting & guiding team members during the project till final delivery using Agile and Waterfall methodology. Used Jira for project management, feature implementation, bug, and issue tracking.

⇨ Domain knowledge in various sector – Insurance, Retail and Cyber security.

Academic

⇨ M.C.A. (Master of Computer Applications) from UP Technical University in 2005.

Core Competencies

Current Experience:	
Technology:	Python
Web Framework:	Django, Flask
Front End:	HTML5, CSS3, BOOTSTRAP
Database:	MySQL
IDE:	PyCharm
Code Editor:	Sublime & Atom text editor
Notebooks:	Jupiter (from Anaconda distribution)
Terminal:	Command line, Windows PowerShell, Git Bash
DevOps Tools:	Git, GitHub
Automation Testing:	Selenium
Operating System:	Windows, Linux (Ubuntu)
Previous Experience:	
Worked in IBM and Unisys mainframe technologies for 10 years.	

Experience Summary

⇨ Worked as a Freelancer. (July 2020 till date).

⇨ GalaxE Solutions (March 2017 – March 2019) as Technical Specialist

⇨ Capita India Ltd. (August 2012 – October 2016) as Lead Analyst

⇨ Steria India Ltd. (March 2006 – July 2012) as Senior Engineer

⇨ A1 Technologies Ltd. (July 2005 – February 2006) as Software Consultant

⇨ Images Tele soft Pvt Ltd. (Jan 2005 – June 2005) as System Trainee

Certifications

⇨ PRINCE 2.

Work Experience

Freelancer & Onshore support Projects (July 2020 till date)

Projects:	CSPM, WhatsApp Automator, Covid19 Outbreak Analysis
Description:	**CSPM (Cloud Security Posture Management)** Cloud Security Posture Management is managing the posture of entire cloud deployment, throughout the technology stack. CSPM tools play a pivotal role in helping organizations stay compliant with primary mandates or frameworks and enable organizations to address accidental risk, such as: • Mistakes that lead to exposure of databases containing sensitive information • Misconfigurations and incorrect settings that lead to non-compliance with a major regulation which your organization is subject to • Mis settings that allow unauthorized users to access data, applications, or servers • Detecting policy violations via continuous cloud monitoring • Assessing compliance status for CIS (Center for Internet Security), AWAF, NIST (National Institute of Standards and Technology), HIPAA, SOC2, and PIC. In this we have frontend and backend created using ReactJS and Django, respectively. We have created scheduler using Python where all scans have been written based upon rules as per CIS, AWAF compliance best practices. Connection between UI and backend has been made though socket. Database used was Postgres. I was involved on design part of front end which consists of CSPM dashboard (which will provide details about network, data and Identity risk, number of accounts create on various cloud account, last scan run for various cloud, compliance summary such as how many checks or rules performed, how many succeeded and how many failed, regions and their description). Also created High- and low-level architecture diagram for CSPM. Currently it has been implemented for AWS cloud. In future they have planned to implement this for other cloud such as Azure, GCP etc. Added various rules for AWS services such as EC2, CloudWatch, S3, IAM, Autoscaling, CloudFormation, RDS, VPC, CloudFront etc. based on various CIS, AWAF, NIST best security compliance practices. Most of the rules are based upon misconfigurations and incorrect settings that lead to non-compliance with a major regulation which your organization is subject to. Few other features need to be added in future such as cloud asset visualization etc. **WhatsApp Automator using Selenium web driver.** This is web scraping project. In this project we created python exe script that takes parameters and sends WhatsApp messages and attachments. In exe file we must give 3 parameters such as 1) Mobile number (receiver mobile number - set this to mandatory) 2) Text message (the message to send to WhatsApp - set this to optional) 3) Attachment (Attachment, it could be picture, documents, or any supported media – set this to optional) To execute this script use 'start' command to run exe with command line arguments. After barcode scan on WhatsApp Web close the chrome tab. Now once the barcode is stored in cookie, Next time if user send message or file executing the cmd, do not show the WhatsApp chrome window but it should work like

sending messages or attachment with number. (Example - After user entered: start whatsapp_automater.exe +9190000000000~"multi word message "~file path, It should not open that chrome WhatsApp window, but process the message and close that terminal after successfully execution of that command).

For this project, we used -

1) Selenium library to perform web scraping.

2) To connect to web browser, we used web driver imported from selenium.

3) Used sys.argv to pass parameters at run time.

4) Used xpath to get location for WhatsApp phone numbers, location for text message box, location for button which will be clicked to send text message, location for attachment icon, location where picture, documents or any supported media has been saved and location for button which will be clicked to send attachment message.

Covid19 Outbreak Analysis (Data Visualization project)
This is a data visualization project. In this project we have data for covid19 confirmed cases for India, USA, and the world. These static files give information about state-wise category for confirmed cases, recovered cases, deaths, active cases, last updated time, state code etc. for India, USA and the world. These static files also give information related to covid19 data for each day starts from 22/01/2020 till 27/07/2020.

For Cumulative cases -
1) We used panda's library, to retrieve these data and perform validation to create a map, get total confirmed cases in a country, total confirmed cases in the world.
2) Used the Geocoder API from Google, to return all the same results that Google would provide. We used geocoder to get latitude and longitude for each state. These latitude and longitude have been used to create a folium map which is map with circles.
3) Used matplotlib and seaborn to create a line plot and bar plot displaying the top 10 countries having the greatest number of coronavirus confirmed cases.
4) Used folium library to create folium maps which is map with circles for India, USA and the world. For this use latitude and longitude obtained using geocoder library.

For Non-Cumulative cases (i.e., cases on daily basis) -
1) Used panda's library to get total non-cumulative confirmed cases in a country.
2) Used matplotlib library to create a line plot for the daily (non-cumulative) confirmed cases in various countries.

Worked on various other small python projects such as Web scrapping using beautiful soup. Also have an idea about Automation Testing done using Selenium.

Technology:	Python, Pandas, Matplotlib, Seaborn, Geocoder, Folium, Selenium web driver
Team Size:	2
Location:	USA and Noida

Roles & Responsibilities:

⇨ Worked on various libraries such as Pandas, Matplotlib, Seaborn, Geocoder, Folium.
⇨ Worked as an individual contributor.

GalaxE Consulting (March 2017 – March 2019)

GalaxE Consulting is a business consulting and technology solutions firm providing full-service management consulting services.

Projects:	**BGV, EMI Calculation**
Description:	**BGV (Background Verification)**
	In this project we have created a web application which acts as a means of authenticating and objectively verifying an individual's identity, court case status, educational check, credit score and employment history - thereby enabling commercial transactions and hiring decisions to take place between companies and candidates.

We also conduct rigorous research to gather information on your potential or current employee from various data sources. I was responsible for backend side.

In these days, digital India is transforming the data landscape and the government is creating digitized records of citizens. This is leading to checks being conducted via API and Online Database, thus making data available instantly.

We used API to gather information of candidate who has joined an organization. Various checks have been performed for new joiners such as address verification, court receiver check, past employment, education check, reference check, credit check, criminal databases, and identity check.

Used employee verification report to check for fraudulent candidates and find discrepancies in their resume.

EMI Calculation

In this project we have created a web application using Python and Django framework. We have created users directly in the database. In front end, user will have to enter its loan amount, disbursal amount (E.g.: 1,00,000 and 90,000, respectively.) and click on "Generate EMI" button. This should show the EMI amount to be paid as per Interest amount 18% of the loan amount. User will have to enter when the EMI amount is paid. If paid later than 5th of every month, an overdue of 18% to be paid additional to the EMI amount. Generate a report showing summary of all 12 months showing EMI amount, date and overdue amount if applicable.

To calculate emi, overdue and total (sum of emi and overdue), we have used in-built @property decorator which will allow us to use model variables for performing calculations.

We have used Django in-built Class Based Views to perform CRUD operations such as create a new user, update emi for existing user and delete user already created. Also used class-based views to list all users and get details of each user.

Worked on various other small projects related to sending emails, sending SMS. Worked on various Adhoc requests such as extracting table from pdf to excel. Also have an idea about Automation Testing done using Selenium.

Technology:	Python, Django, HTML, CSS, Bootstrap
Team Size:	2 - 5
Location:	USA and Noida

Roles & Responsibilities:

⇨ Managing team of 2 - 5 offshore people which includes their work allocation, leaves, appraisals and trainings.
⇨ Manage team involved in development, testing and support of the application.
⇨ Attend weekly Tele-presence meetings with onshore SMEs to provide regular updates regarding the assigned work.
⇨ Direct coordination with the clients and Business Analyst as per requirement.
⇨ Developed the web-based applications using Python and Django Framework.
⇨ Worked on various library such as Selenium for web scraping.

Capita India Ltd. August 2012 – October 2016
Capita is one of the leading IT Services provided in UK which provides IT services in Life & Pension products.

Projects:	FCA Illustration
Description:	**FCA Illustration**
	Due to some recent regulatory changes in UK all the illustrations that were being produced before have some changes involved. The requirement of this change is to change the growth rates of an existing system to new growth rates and it has been capped on both side of mid growth rates of 3% for FRP/FIO contracts.
	When user needs illustration for FRP/FIO plan, they need to register themselves to get these illustrations. They need to register themselves on portal. Once registration done, they need to Sign up and then they will fill plan code for the product for which they need pre-sale or post-sale (for existing users) illustrations. After registration, sign up and fill all the details to obtain illustration, user clicks Submit button and user will get illustration on their emails. They will also get a confirmation message on phone once the registration was successful.
	In this project, we have created various model forms for UI. Used Object relational mapping (ORM) for performing Create, Retrieve, Update, Delete (CRUD) operations.

	Created many templates for UI and used template tagging to interact these templates with model form.
	Worked on various other small projects related to Image processing, sending emails, sending SMS.
Technology:	Python, Django, HTML, CSS, Bootstrap
Team Size:	5 – 10
Location:	UK and Pune

Roles & Responsibilities:
⇨ Managing team of 5-10 offshore people which includes their work allocation, leaves, appraisals and trainings.
⇨ Manage team involved in development, testing and support of the application.
⇨ Been involved in in-depth analysis of requirements and providing estimations for work.
⇨ Attend weekly Tele-presence meetings with the onshore SMEs to provide regular updates regarding the assigned work.
⇨ Worked on design. Been involved in writing HLD and technical Specification by analyzing the Detailed Business Requirement Specification (DBRS).
⇨ Direct coordination with the clients and Business Analyst as per requirement.
⇨ Developed the web-based applications using Python and Django Framework.

Note: - Other projects done in Unisys mainframe.

Steria India Ltd. (March 2006 – July 2012)
Steria is one of the leading IT Services provided in Europe working across 16 countries. Founded in 1969, Steria has offices in Europe, India, North Africa, and SE Asia. Steria is the IT partner for *Boots* and manages most of its IT projects in the various Business domains—Retail.

⇨ Responsible for developing and coding in IBM Mainframe.

A1 Technologies Ltd., New Delhi (August 2005 – February 2006)

⇨ Responsible for developing and coding in VC++.

Imazes Tele soft Pvt. Ltd., Noida (Jan 2005 – July 2005)

⇨ Responsible for developing and coding in VC++ and MS Access.

Personal Details
Place: Noida
Date of Birth: 2nd October 1979
Passport: Valid till 2025