

Akash Agrawal

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I have almost three years of experience in information technology as a **Data Engineer** and **Automation Engineer (Python)** With the responsibility of writing and testing code, debugging programs, and integration applications, and also having good Experience in serverless environments (**AWS**).

Executive Digest

- ↳ Experience as a **Automation Engineer** with **Ericsson (EGIL)**.
- ↳ Experience as a **Data Engineer** with **Inverosoft software** on different web/Scraping Based application on (**Python2.7 and python3**).
- ↳ Experienced in RBA and RBA Automations on **MITO** (Ericsson Internal Tool).
- ↳ Hands on with **Linux** based systems.
- ↳ Experience with Serverless environment with **AWS**
- ↳ Good Experience with Python Automation (**Python3**)
- ↳ Good Experience with **Web Scraping** using (**Python, Scrapy , Selenium, Request library**)
- ↳ **Around 300 sites has been scrap(Amazon, Shopify Stores, Spotify)**

Career Recital

<u>Duration</u>	<u>Designation</u>	<u>Company</u>
01 th June 2020 – Till Now	Automation Engineer	Ericsson
15 th June 2018 – 30 th May 2020	Python Developer	Inverosoft

Core Competencies

- ↳ Programming
 - Python,**
 - RPA (Robotic Process Automation)**
 - RBA (Run Book Automation)**
- ↳ Data Mining
 - Scrapy, Request Library, Selenium**
- ↳ Cloud Development/Environment
 - AWS:** EC2 Instance, Lambda Function, API Gateway, S3 Storage, SNS, SES, RDS, Workmail, Elasticsearch, Redshift.
 - GCP:** Google cloud function, Datastore
- ↳ Code Review Automation(Linter)
 - Flake8, Pylint
- ↳ Services
 - RESTful services**
- ↳ Automation Tool
 - Jupyter Notebook, Bitbucket, MITO(Ericsson internal tool)
- ↳ Framework
 - Flask
- ↳ Web Scripting Languages
 - HTML, Bootstrap, JavaScript, JQuery
- ↳ Databases
 - MySQL

Projects Undertaken

Title: [MTN Backup Tracker](#)

Technology/Tools: Python3, Pandas

Description: This automation is bifurcated in two steps, one is Linux and other is python. Linux script is checking the backup on each and every node and downloading it to local server and then python script is processing those backups and creates a consolidated report and send the report to client over email.

Role & Responsibilities:

- ↳ Developing and testing Python Automation
- ↳ Deployment of complete project over linux node.

Title: [Amfez\(Automation with GCP\)](#)

Technology/Tools: Python3, Google cloud function, cloud storage, Datastore, Rest Services

Description: It contains three Google Functions which are triggered sequentially from Google Datastore. The Google function automation is based on the upload of an object in the Google Cloud Store. The functionality of Google function is to update the file uploading status in Google Data Store.

Role & Responsibilities:

- ↳ Developing and testing the complete functionality.
- ↳ Setup Google cloud SDK to CLI.
- ↳ Deployment of these Google cloud function using CLI.

Title: [GetResponseSDK \(Python Automation\)](#)

Technology/Tools: Python3, Request library, Rest Services, Flake8, **AWS lambda, Redshift**

Description: This is Python Automated SDK which hits GetResponse API and update Redshift database with new and latest data of get response.

Role & Responsibilities:

- ↳ Developing and testing the complete functionality.
- ↳ Deployment on AWS **EC2** instance
- ↳ Responsible for design of APIs and enhancement in existing functionality

Title : [KfetchAutomation \(Data scraping\)](#)

Technology/Tools: Python Scrapy, Beautiful soup, Rest Services

Description: It has two scrapers one scrap daily bases data and another scrap data using some argument from below given website and stores data in AWS **Elasticsearch** and AWS **Dynamodb**

"https://www.sec.gov/cgi-bin/browse-edgar?company=4281&match=contains&action=getcompany"

Role & Responsibilities:

- ↳ Developing and testing the complete functionality.
- ↳ Deployment of this functionality on AWS **EC2** instance

Title: [GETJOBSNEARBY](#)

Technology/Tools: Python2.7, MySQL, Rest Services, AWS Lambda, API Gateway, S3, AWS RDS

Description: Django is used as backend and AngularJS is used as frontend. The functionality of this project is to apply for jobs on one site after filling full candidate information. The implementation uses AWS REST API, AWS Lambda, S3 bucket and AWS RDS instances to make it Serverless.

Role & Responsibilities:

- ↳ Development of Lambda function.
- ↳ Deployment of this functionality on AWS **EC2** instance

Title: Rhonda implementation

Technology/Tools: Python2.7, MySQL, Rest Services, Restful Flask, Scrapy, AngularJS

Description: It scraps images from <https://www.zoopla.co.uk/> and pass those images in ML model to get rating from images.

Role & Responsibilities:

- ↳ Developing and testing the complete functionality with Python Scrapy and Flask backend API
- ↳ Deployment of this functionality on AWS **EC2** instance

Title: Acvauctions Scraper

Technology/Tools: Java (JSoup), JSON Parser, Rest Services

Description: It scraps data of live auction from <https://app.acvauctions.com/> and can also get data of ended auction.

Role & Responsibilities:

- ↳ Developing and testing the complete functionality with
- ↳ Deployment of this functionality on AWS **EC2** instance

Title : Additional Projects

- ↳ Spotify Data Analysis (Aws Redshift and Python3)
- ↳ Amazon Scraper (Python2.7)
- ↳ Shopify Scraper (Python2.7)
- ↳ Craigslist Scraper (ES on EC2 instance)

Academia

B.Tech	July, 18	76 %	UP Technical University, Lucknow
Intermediate	July, 14	85 %	CBSE Board, Delhi
Matriculation	July, 12	87 %	CBSE Board, Delhi

Personal Dossier

Date of Birth	20 th Aug 1997
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(Akash Agrawal)