

# AMAN MISHRA

SOFTWARE ENGINEER  
JUNE 2018-PRESENT

## PERSONAL PROFILE

Highly competent professional with a proven track record in Python Development and Data Engineering. Energetic, ambitious person having a mature & responsible approach to any task that I undertake or situation I am presented with.

## CORE STRENGTHS

- Python
- Data Engineering
- Data and Web Scraping
- Research and Development
- SQL and NoSQL Databases

## TECHNICAL SKILLS

- **Languages** : Python, Golang , Java, C#, Shell Scripting, PySpark
- **Advanced Tools** : Docker, AirFlow, KAFKA
- **Databases** : AWS RDS, MySQL, MongoDB, PostgreSQL, Orient DB, DynamoDB , SQLite, ETL tools, Elasticsearch, DRUID
- **Analysis** : Data Analysis, Text Analysis, Sensomatic Analysis
- **Data Visualization** : Grafana, Matplotlib, Seaborn, Tableau
- **APIs** : Rest API, Fast API
- **Web Development/ Frameworks** : Flask, Django, CherryPy, HTML, CSS, JS, JQuery, Bootstrap, PHP
- **Cloud Services** : AWS, Heroku, GCP
- **Version Control** : GitHub, Bitbucket

## WORK EXPERIENCE

>> **Company : Niyuj**

**Senior Data Engineer : Out Of The Blue(OOTB)**  
(Jan-2021 to Present)

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**Description** : *Out of the Blue's, autonomous AI-driven Digital Intelligence platform makes business health monitoring & revenue generation more predictive through actionable, contextual and timely insights. By leveraging AI to constantly monitor and correlate business performance, Out of the Blue identifies revenue-critical issues, providing real-time alerts and forecasts to be able to take proactive rather than reactive actions.*

- **Won this project for my organisation by completing multiple product critical POCs**
- **Creating Data connectors to ETL data from 150+ data sources to our Data Warehouse**
- **Contributed in creating the first ever Druid database connector available in the market. Planning to make the connector open source.**
- Implemented CI/CD using Github actions which automated the docker image build and push to Amazon ECR
- Creating an end to end CI/CD pipeline, right from running unit testing scripts to automated deployment of docker images.
- Completed multiple mission critical POCs and provided analysis to determine the path of the product development.
- Currently leading the Team of 5 people towards the completion and delivery of the project

#### • **Data Engineer : Womply (Mar-2021 to Jan-2022)**

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**Description :** *Womply is a local commerce platform that provides apps, APIs, marketing, and financial tools to make local commerce happen for over 500,000 American businesses and their customers*

- Created large scale and efficient Data Pipeline using AWS Glue, RDS, S3 and Snowflake
- **Developed large scale data conversion pipelines from JSON to Parquet jobs using PySpark and scheduled them with Airflow**
- **Achieved 10X better performance and 5X cost savings with the new data pipeline created**
- Acted as the main DevOps Engineer for Data Engineering team
- Was responsible to serve and complete all the Infra requests of Data Engineering Team
- Developed more efficient Data Pipeline to migrate the data from source(RDS) to destination(Snowflake)
- **Migrated 15+ different old data pipeline infrastructure components like AWS Glue, RDS instances, etc. efficiently to new infrastructure using tools like Terraform**
- Generated detailed studies on potential third-party data handling solutions, verifying compliance with internal needs and stakeholder requirements.
- Performed large-scale data conversions, transferring JSON data into standardised parquet formats for integration into Data Science model.
- Created a Slack-Jenkins integration for the finance team to efficiently interact with Jenkins.

#### • **Team Lead : NICE (Dec-2021 to Present)**

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- **Involved in the pre-sales work to win this client**
- **Successfully implemented POCs which played the most important role to win this client**
- Currently leading the Team of 5 people towards the completion and delivery of the project

## >> Company : Velotio Technologies

### • Senior Software Engineer : MPL (Nov-2020 to Feb-2021)

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**Description :** *MPL is currently one of the largest global esports and skill gaming platforms. MPL has over 70 games across categories, such as fantasy, quizzing, esports and casual games on its Android and iOS apps*

- Created custom Slack Bot for Jira, which helped in performing CRUD operations on Jira tickets from Slack directly.
- **Created Jenkins Bot for deployment of code directly to different environments via Jenkins just by typing a command**
- **Dockerization of code base**
- Automation of AWS cloud services
- Development and deployment of databases
- Orchestrating efficient large-scale software deployments, including testing features and correcting code
- Reviewing code and working with development teams to correct problems, run test scenarios and prepare for deployment
- Working closely with other business analysts, development teams and infrastructure specialists to deliver high availability solutions for mission-critical applications

## >> Company : Miko.ai

### • Python Developer: (Feb-2020 to Nov 2020)

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**Description :** *Miko is an advanced consumer robotics innovation lab passionate about bringing the best of technology to young learners everywhere. Home to the world's leading educators, engineers, psychologists and content developers, Miko takes learning to a whole new level through state-of-the-art artificial intelligence, robotics and IoT.*

- Part of Core Data Science team .
- **Developed recommendation systems for IPL 2020.**
- **Solved the problem of context management on Chatbots. Received high appreciation for the same**
- **Created Data Scraping and Web Scraping scripts from various platforms containing huge amount of data (sometimes ranging to more than 200-300 GB's) with consistent accuracy of more than 90%.**
- Developing and Managing database for an entire domain.
- Perform text pre processing for developing recommendation systems.
- Wrote highly efficient Python scripts to perform resource and time intensive database transactions in a matter of seconds thus increasing the efficiency of the entire database system.
- Created Flask APIs to read and write data to Database
- Developed code fixes and enhancements for inclusion in future code releases and patches

>> **Company : Infosys Ltd.**

- **Senior Testing Executive: (Jun-2018 to Feb 2020)**

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- **Oversaw an entire database migration project**
- **Created tool to automate the configuration file changes**
- **Efficiently created over 60 automation scripts using UFT**
- Debugged code and located root causes of problems by reviewing configuration files and logs
- Utilized Python to handle debugging and automation scripting tasks
- Analyzed customer and stakeholder needs, generated requirements, perform functional analyses and implemented Requirements Management Plans
- Assisted with designing information and operational support systems
- Defined technical integration strategy and developed Integration plans
- Developed code fixes and enhancements for inclusion in future code releases and patches

## **ACADEMIC HISTORY**

- **2015 - 2018      BACHELOR'S IN COMPUTER SCIENCE**

- Graduated with 9.1 GPA
- Majored in Computer Science

- **2013 - 2015      HIGH SCHOOL IN SCIENCE**

## **CONTACT DETAILS**

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