

Muhammad Suhail

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Technical skills

Languages Python, Javascript, Shell Scripting

Version Control: Git

Databases MySQL, PostgreSQL, MongoDB

Frameworks: Django, Flask, Falcon, PySpark, Node.js, Apache Hadoop, Apache Spark

Tools: Hive, Cloudera, Celery, AWS, Elastic-search, Redis, Memcached, Docker

Platforms: GNU/Linux (Ubuntu), Windows

Education

2008 – 2012 **B.Tech**, Govt. Engineering College.
Palakkad, Kerala, India

Work Experience

- Senior Software Engineer
 - NetApp, Bangalore, India
 - Role: BigData and Cloud developer(contract)
 - <https://www.netapp.com/>
 - Duration: From 2019 Feb to Present
- Senior Software Engineer
 - compassites software solutions, Bangalore, India
 - Role: Backend Developer
 - <https://www.compassitesinc.com/>
 - Duration: From 2017 Dec to 2019 Feb
- Senior Software Engineer
 - fortraiz, Bangalore, India
 - Role: Backend Developer
 - <http://fortraiz.com/>
 - Duration: From 2016 Nov to 2017 Oct
- Software Engineer
 - Hashcube, Bangalore, India
 - Role: Full Stack Developer
 - <http://hashcube.com/>
 - Duration: From 2015 April to 2016 Sept

- o Software Engineer
 - Zerodha, Bangalore, India
 - Role: Web application Developer
 - link: <https://pytech.in/>
 - Duration: From 2014 Dec to 2015 March
- o Software Engineer
 - PRTouch, Mumbai, India
 - Role: Web application Developer
 - link: <https://pytech.in/>
 - Duration: From 2014 April to 2014 Oct

Projects Worked on

Title **DataCenter View**

Datacenter View provide information and insights that are beneficial for troubleshooting, upgrade assessment, solution validation, and migration. The view enabled by collecting and uploading data from customer environment using NetApp Active IQ OneCollect

Role: PySpark and AWS lambda developer

Created ETL Spark jobs to extract data from HDFS to MongoDB

Migrating existing api to AWS LAMBDA

Worked AWS API Gateway

Worked in API automation

Worked in MongoDB

Worked in PySpark

Title **OneCollect**

data collection tool to collect from storages, hosts, and switches. The collected data is used for troubleshooting, solution validation, migration, and upgrade assessments.

Role: Developing new features for OneCollect, mainly in Server Side

Implemented auto discovery using protocol like SNMP

Worked in NSIS Scripting

Created python bundle using PyInstaller

Created images of OneCollect using Docker and AWS AMI

Worked in Nginx and CherryPy for hosting Onecollect

Created API using Django Rest

Title **SMTA**

Social Media Threat Analysis (SMTA) is the process of monitoring social media and detecting threats to any organization using artificial intelligence

Role: Implemented the server architecture from scratch

Integrated API and Machine Learning Engine in Server Side

Implemented api using Falcon

Implemented session middle middleware in Falcon using Redis

Implemented SQLAlchemy for ORM

Used MongoDB to store scraped data

Used Elasticsearch as search engine

Implemented Celery for message passing queue, periodic task

Languages/Tools: Python, Falcon, AngularJs, ElasticSearch

Title **Social Heap**

An open tool for developers to aggregate social media content forgetting about all the complexities involved. It provides realtime social media posts from platforms like Facebook, Twitter, YouTube, Vimeo, Instagram and so on.

Role: Implemented the server architecture from scratch

Implemented api using Django

Implemented DB Design

Used MongoDB to store scraped data

Implemented Celery for message passing queue, periodic task

Customized Python Social for connecting different social platform

Languages/Tools: Python, Django, Celery

Title **Q**

Q is next generation back office tool for trading. It is a financial digital assistant for investors.

Role: Developing new features for Q, mainly in Server Side

Implemented api using Flask

Added Python script to fetch data from third party api

Implemented cron jobs for periodic task

Added fabric for deployment management

Added UI logic using jQuery/JavaScript

Languages/Tools: Flask, jQuery/JavaScript, SQLAlchemy

Title **Ecom**

Ecomexpress is a ecommerce website used to manage the various stages of a product delivery The site handles around a million shipments per month. The project covers all stages from the initial pickup of product from a customer until delivering the product to consignees.

Role: Implemented the server architecture for Ecom

Implemented api using Django

Implemented DB Design

Added Celery for Heavy load task

Added pre commit hooks for coding standard based on pep8

Added UI logic using jQuery/JavaScript

Integrated cloud technologies such as AWS, EC2

Languages/Tools: Python, Django, JavaScript

Title **Sudoku Quest**

Sudoku Quest is a classical quest based game having more than 1 million users and 600 various levels. The game is completely developed using open-source engine GameClosure

Languages/Tools: GameClosure, JavaScript, Node.js, Python

Role: Worked in both App side(GameClosure) and Server Side

Implemented api using Node.js

Implemented periodic push notifications using Rabbitmq and Python

Worked in Facebook Games for web

Added quest level generation script in Python

worked in puzzle page ui and popups using GameClosure

worked in server monitoring tools such as nurelic

Worked in cloud technologies such as AWS, EC2, S3

Source Play Store

Title **Gummy Pop**

Gummy Pop is a casual quest based game having more than 2 lakhs users and 300 various levels. The game is completely developed using open-source engine GameClosure

Role: Worked in both App side(GameClosure) and Server Side

Implemented api using Node.js

Implimented Rabbitmq for message passing

Implimented TDD using Mocha

Implimented code coverage using istanbul

worked in puzzle maps using GameClosure

Integrated 3rd party SDK in Game

implimented analytic script in Python to fetch data from 3rd party api

Source Play Store

Languages/Tools: GameClosure, JavaScript, Node.js, Python

Source Play Store

Blogs & Social Media

Github <http://github.com/suhailars>
Blog <http://suhailars.blogspot.in>