

Bharath Kalluru

Python Engineer


I'm Pythonista, MLOps Engineer around 7+ years of experience in designing, developing, debugging and troubleshooting applications using Django, Flask and Fast API using Python. Established ability in deploying solutions to production for real-world problems in the cloud or on the edge.

bharathkalluru12@gmail.com 

+1-(682) 802-5515 

Dallas, Texas, USA 

bharath-kalluru.github.io 

linkedin.com/in/bharath-reddy-716608162 

github.com/bharath-kalluru 

medium.com/@bharath-kalluru 



WORK EXPERIENCE

Python Engineer Toyota Financial Services

03/2022 - Present

Achievements/Tasks

- Worked on developing and deploying Smartreader-iDoc Django application which is used by TFS. This application is used during investigations, Audits transparency reporting, auditing, monitoring and for professionals who needs to access large amount of data in the form of documents (pdf and images files). This application is used to help end user to understand documents content in 24 languages.
- Worked on Google and Microsoft NER AIPs . Also worked on OCR and Language Transition APIs to implement different modules.
- Secured multiple projects by building expected proofs-of-concept with no delay.
- Proposed and negotiated multi-year subscription deals with Microsoft which involved in cost cutting by 57% for our deployment resources.
- Created Smartreader-iDoc using Django Models, Views, Templates using DTL. Created REST APIs in Multi-database application (MySQL, Postgres) using Django-rest, functional and CBVs that interact with using Django ORM. Familiar with RESTful web services using django-rest framework. Intermediate Experience in Web Technologies like HTML.
- Created functional and CBVs that interact with MySQL and Postgresql DB using Django ORM.
- Experienced in working with various Python IDEs like IDLE, PyCharm, Visual studio code for developing and debugging Python scripts complying with PEP-8 standards. Experienced in working with virtual environments.
- Supervising the development of a modular and easy-to-use platform called MFlow for deployment of ML, UI and API Applications which is adopted by various ML Teams across the organization. Worked on Ai-Hub where we have many ready to use models.
- Experience on MLOps. Worked along with Principal ML Engineers to deploy solutions in our internal platform and Kubernetes for various use cases. Implemented fully automatic CI/CD pipelines using Xena (Bitbucket, Jenkins and Artifactory). Worked on docker containers. Experienced in working with various DevOps tools like Git, Docker, Azure DevOps. Experience in creating domain and certs.
- Deployed multiple applications. Deployed no.of ML Applications, Django, Fast, Fast API Applications. Worked on different Azure cloud services like Subscription, Resource Groups, ARM Templates, storages, Service Accounts, Active Directory, Subnets, CIDR, Firewalls, Inbound Port, VMs, Private Endpoints, ACR, ACI, MYSQL, Databricks, Azure ML Studio etc. used for resource utilization and deployments.



WORK EXPERIENCE

Python and MLOps Engineer

Ameri Health Caritas

10/2022 - 03/2022

Plano, Dallas

Achievements/Tasks

- Worked on SAS-Business-Prod Django application which is used by Ameri Health Caritas. Created APIs to import and export employee and other services related data to Azure.
- Created entirely new service called custom-scan and provided backend support for storing barcodes, photos, exporting reports for the service.
- Implemented email validation, initial account creation and update mechanisms. Implemented configurable HTTP methods in backend APIs. Designed multiple database models.
- Got hands on experience in creating website prototype from Django skeleton and building out Models, Views, Templates using DTL, HTML, Bootstrap classes for multiple web pages.
- Created Alerts functionality for alerting users to perform different tasks during field visits.
- Continuous engagement with global business teams on presentations and business requirements. Proposed new ideas to business.
- Got good experience with Docker and setting up debugging environments. Experienced in using Numpy, Pandas libraries in Python.
- Experience in MLOps. Implemented fully automatic CI/CD pipelines. Worked on docker containers.
- Worked on different Azure cloud services for deployments.

Python Engineer

Highmark Health

08/2020 - 09/2021

Achievements/Tasks

- Worked on ML related project called OTIF-D. This project is a KPI metric to analyze Product Availability Miss in Delivery Phase.
- Involved in Business calls and gathering requirements from different SMEs who are owning different product groups.
- Developed Django application from scratch like building the crating virtual env, project, related applications, setting up database, handling migrations and developed back-end RESTful web services using django-rest framework.
- Worked with Python IDEs like IDLE, PyCharm, Visual studio code for developing and debugging Python scripts complying with PEP-8 standards.
- Created FBV and CBV by extracting data from database using ORM.

Python Developer

Genworth Financials

11/2018 - 07/2020

Achievements/Tasks

- Worked on QnA Project. This is a Search (information retrieval) and Recommendation (information filtering) system using Deep Learning.
- My roles and responsibilities include creating APIs for different searches using Flask.
- Worked on DevOps tools like Docker, Bitbucket, Jenkins, Artifactory.
- Actively participated in deploying the application by creating automation CI/CD pipelines and deployed application in different environments using Kubernetes.

Python Developer

Nike

02/2018 - 10/2018

Achievements/Tasks

- Worked on FinTable where I used to write APIs to extract financial tables from Financial documents.
- Extracted data from database and Data Visualisation using Power BI using different idioms.
- Experience in creating documentations and white papers for APIs.
- Worked on different Python Libraries like Pandas and NumPy.
- Strong program analyzing skills, with ability to follow project standards. Experienced the full software lifecycle in SDLC, Agile methodologies



WORK EXPERIENCE

SAS Developer

HSBC Bank

02/2015 - 07/2016

Achievements/Tasks

- Worked on Python, SAS, and SQL.
- Gathering business requirements Design, manage and optimize data models and supporting various business programs
- Developing and modifying SAS programming based on the business requirements.
- Worked on converting SAS Programs to Python and queried data using SQL.
- Created buckets in S3 and glue Jobs with the details of the Code.



TECHNICAL SKILLS



EDUCATION

Masters in Computer Science

Southern Arkansas University

08/2016 - 12/2017

Magnolia, GPA: 3.51/4

Bachelors in Electronics and Communication Engineering

JNTUA

06/2011 - 12/2015

India, GPA: 6.5/10



PERSONAL PROJECTS

Pizza Hut Application

Portfolio Application

- I've developed a personal portfolio application. Soon I'm going to deploy this. You can access through the QR code which is attached at the top of the resume.

Blog Application

Corona Application

Remainder - Todo List



SOFT SKILLS

