SHRIKRASHNA KADAM

Tech Lead I (Product Engineering)

- Seeking the most challenging assignments in python and relevant OOPs for a comprehensive professional growth, to add value to the products and microservices based platforms on which I undertake the assignments

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Career Snapshot

- Working as a **Tech Lead - I** cum **Architect** with **10.3 Years** of total experience in Python & Java based application development and architecting microservices based cloud-native and cloud-agnostic platforms
- Associated with **UST Global (Abzooba India Pvt Ltd - Acquired)**
- Well versed with entire SDLC and expertise in the technical, conceptual and development of Python based applications with Java as well
- Possessing analytical, communication, interpersonal skills and performed duties with great enthusiasm
- Ability to work individually as well as a team member in Agile software development framework
- Ability to work on multi tenant B2B as well as B2C distributed platforms
- Ability to Juggle multiple projects

Core Competencies

- Executing software development process and involving in the development of various phases of development for smooth functioning
- Determining feasibility by analyzing, executing proof of concepts, developing and proposing solutions
- Involved in developing a platform from the scratch, well versed with writing neat and clean object-oriented code
- Facilitating post implementation, application maintenance, bug fixing and feature enhancement improving the architecture
- Successfully leading and Providing technical guidance and support to the team

Academics

2015   M. Tech (Computer Science & Engineering) from Walchand College of Engineering (Autonomous), Sangli, Shivaji University(MH) with **CGPA 8.0**

2011   B. Tech (Computer Science & Engineering) from Government College of Engineering(Autonomous), Amravati, Amravati University(MH) with **CGPA 6.24**

2007   12th from Maharashtra State Board of Secondary and Higher Secondary Education with

88.50%

2005   10th from Maharashtra State Board of Secondary and Higher Secondary Education with **78.13%**

Languages	Python, Core Java, basic Go and Node
Key Skills	Microservices, Kubernetes, Kubeflow, Pachyderm,ELK, Fluentd, Distributed Systems, Platform/Product development
Scripting Languages	JavaScript, jQuery, Shell
Framework Used	Django, Flask, Fast API, Django Rest Framework, AKKA actors, Apache Kafka, LLM, Langchain
Deployment servers	NGINX (On Prem+ EKS based)
Java Technologies	Core Java and multithreading
Tools	Kubernetes, Jupyterhub, Jupyter notebook, Docker, Git, Celery, Gitlab, AWS, GCP, Azure, AWS SageMaker
Databases	MySQL, MongoDB, SQlite, DynamoDB
Business Domain	GenAI, MLOps, Cloud Computing-IAAS, Business Analytics(monitoring), E-commerce

Certifications:

- Completed udemy certifications on AWS Solution architecture, microservices based architecture covering various programming and architectural aspects
- Udemy certification on SageMaker, ML & DS using Python

Project Chronology

UST (Abzooba India Pvt Ltd - Acquired) (30th July 2019 –Till Date):

  Project Title   : Xpresso.ai platform

  client   : UST (Abzooba India Pvt Ltd - Acquired)

  Industry   : ML Ops

  Designation   : Tech Lead - I (Product Engineering)

  Programming Languages   : Python

  Tools and Technology   : Flask, Fast, Kubernetes, Docker, Pachyderm, Kubeflow, Airflow, Jenkins, ELK stack, Fluentd, Mongodb, AWS (Extensive), Azure, GCP and related managed services

Roles and Responsibilities:

- Leading a team of nearly 8 engineers
- Lead the efforts for zero VM and cloud-native and cloud-agnostic architecture of the platform
- Worked on MLOps platform for managing distributed and non-distributed data science pipelines
- Have been part of MLOps-platform development from the inception
- Developed multiple microservices in the platform using microservices design patterns
- Worked on integrating multiple open source tools for better management of workflows such as jupyterhub, Kubeflow, Airflow, Gitlab, Jenkins, Kubernetes, Pachyderm, Keycloak etc
- Worked on Low level and high level designing of workflow features and efficiently managed release of the same
- Implemented and improved configuration management, RBAC feature and
- Implemented centralized logging using a distributed logging system using ELK + Fluentd stack
- Improved the mongodb persistence performance bottlenecks by query, index and architectural optimisations
- Implemented a configurable persistence layer for the DS pipelines deployed by platform
- Improved stability of the platform using various strategies of the distributed systems like rate limiting, health checkup, caching & improving the builds
- Lead the efforts of integrating platform with multiple cloud services of AWS, Azure and GCP to achieve cloud-nativeness
- Added model monitoring capability to the platform
- Implemented user specific workbenches to achieve user separation
- Extensive experience on cloud based complex and most secure deployment architecture of microservices
- Extensive experience on solving the system & linux based problems post deployment
- Worked on redesigning the features to reduce technical debts in the product
- Designed the ansible roles/helm charts, CF templates for efficient installation
- Reduced and optimised the cost of the platform by integrating auto-scaling tools like karpentar etc. to 40%
- Basic understanding of ML libraries, algorithms and their usage
- Worked with delivery team to deliver BERT based RAG application using the platform
- Worked with delivery team to create GenAI, LLM, langchain based Insurance broker portal
- Successfully integrated the product with complex cloud architectures for the multiple enterprise clients building a rapport during engagement
- Worked on adopting to AWS SageMaker platform
- Working on a developing a recommender for insurance using AWS SageMaker

NITOR Infotech Pvt Ltd (13ᵗʰ Jan 2018 – 23rd July 2019):

Project Title	: Healthcare Projects and Delivery
Client	: Clearcare Online US
Industry	: Healthcare Domain
Designation	: Senior Software Engineer
Programming Languages	: Python and Django, Javascript, jQuery, django-haystack

Tools and Technology	: Django framework, Graphql, Docker, Django-haystack, Flask, Celery

Roles and Responsibilities:
- Worked as full stack developer to develop the features of healthcare framework which manages healthcare data for multiple caregiving agencies
- Worked in SWAT team to add features and improve quality by fixing the various defects raised by customers as well as adding the features planned by product manager
- Worked to add unit test cases to the various developed features
- Worked to create a GraphQL and flask based gateway application to monetise the API's

Project Title	: Trissant
Client	: Tirssant.com
Industry	: e-commerce
Designation	: Senior Software Engineer
Programming Languages	: Python and Django, Javascript, jQuery, Elasticsearch
Tools and Technology	: Django framework, AWS-Cloud, Celery, SQL, bootstrap

Roles and Responsibilities:
- Designed, implemented and improved the features for an e-commerce framework
- Specific contributions like inventory processing using celery job, efficiently fetching the data using raw sql query
- Worked to fix the defects to improve the quality of framework
- Multi tenant ecommerce cart, product and inventory management app for merchants to push the offer notifications using push notifications

Project Title	: HR BOT
Client	: BlueStar India Pvt. Ltd
Industry	: NLP, Machine Learning
Designation	: Senior Software Engineer
Programing Languages	: Python and Flask, Google Dialog flow
Tools and Technology	: Python and Flask, Google Dialog flow, AWS EC2, NGINX

Roles and Responsibilities:
- Lead a team to create a HR Bot for the client
- Carried out various POC's to evaluate the feasibility of the approach using google's DialogFlow
- Managed entire backend by using the AWS EC2, ALB, S3 etc
- POC helped to establish feasibility of managing HR workflows and via chatbot

Great Software Laboratories Pvt Ltd (3ʳᵈ Aug 2015 – 30ᵗʰ Dec 2017):

Project Title	:	IBM Cloud Orchestrator 2.4, IBM Cloud Builder
Client	:	IBM US
Industry	:	Cloud Computing- IAAS
Designation	:	Software Engineer
Programming Languages	:	Python and Java
Tools and Technology	:	Django framework, Openstack SDK, AngularJS

Roles and Responsibilities:

- Worked in agile software development methodology
- Contributed to framework for VM provisioning and orchestrating various IT operations which reduced IT operation time from 1-2 days to few hours
- Designed and implemented database binding layer, custom flavors, extending django authentication framework
- Worked with stakeholder teams to deliver product with required customisations

TIBCO Software India Pvt Ltd. (7th July 2014 – 30th June 2015):

Project Title	:	Distributed Scalable Real Time Aggregation System
Client	:	TIBCO Software India Private Limited
Industry	:	Business Analytics(monitoring)
Designation	:	Research Intern
Tools and Technologies	:	Core Java, AKKA Actors, TIBCO EMS, MBeans, Apache Kafka
Version Control	:	git
Database	:	TIBCO Active Spaces

Roles and Responsibilities:

- Developed a solution using AKKA Actors concurrency model
- Involved in evaluating POC's (proof of concepts) to try out various approaches by using open source products
- Involved in discussions with the Technical Architect and preparing Low Level design documents
- Implemented the horizontal scalability using core Java
- Was responsible for increasing concurrency in the product using AKKA concurrency actors and TIBCO active spaces, one of the NoSQL database

Personal Dossier

Date of Birth : 25.05.1989

Nationality	: Indian
Marital Status	: Married