Arpit Bhayani

Principal Engineer at Unacademy

Masters in Computer Science with 6+ years of professional experience

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WORK EXPERIENCE

Principal Engineer
Unacademy

02/2020 – Present   *Bangalore, India*

- Lead the Engineering team to model services at scale
- Built a Gamification Engine that rewards learners for their watch time
- Built a Home Feed engine improving platform engagement by 30%
- Tech: Golang, Python, Elasticsearch

Technical Lead
Unacademy

02/2018 – 01/2020   *Bangalore, India*

- Built the notifications system serving 1B notifications every day
- Designed and developed a generic and extensible Search platform
- Bettered the result relevance which improved CTR by ~42%
- Designed Log archival and Visualization system
- Tech: Golang, Python, Elasticsearch, NLP

Software Development Engineer II
Amazon

12/2016 – 02/2018   *Hyderabad, India*

- Developed a service that puts infrequently accessed data in cold tier
- Created streamlined and seamless access for Hot and Cold Data
- Bootstrapped a generic data pipeline platform for Amazon Retail
- Developed a platform that enables auto-healing of services in despair
- Tech: Java, DynamoDB, S3, EMR

Sr. Software Engineer
Practo

04/2016 – 11/2016   *Bangalore, India*

- Developed the tool that enables incremental release of products
- Built the product that identifies anomalies in real time
- Built the database as a service ensuring high scalability and availability
- Tech: Python, Flask, Java, MySQL, MongoDB, Boto3

Software Engineer
Practo

09/2015 – 03/2016   *Bangalore, India*

- Honoured with Star Employee Award
- Built the tool used for dummy data population across products
- Built the tool used for provisioning personal staging environments
- No downtime migration of Staging Infrastructure to a cheaper Region
- Tech: Puppet, Vagrant, Python, Flask, Boto3, Semantic UI

Software Associate
Saba Softwares India Pvt. Ltd.

07/2012 – 07/2013   *Pune, India*

- Built Offline reviews feature in Saba's SPC Product
- Implemented Language Check feature for Saba's Internal Tool
- Tech: Java, Apache FOP

SKILLS & COMPETENCIES

`Golang` `Python` `Django` `Elasticsearch`
`Java` `Redis` `SQL Stores` `NoSQL Stores`
`Ansible` `Amazon Web Services`
`Distributed Systems`

PROJECTS

Detection of Memory Leaks and Uninitialized Variables
- Uses dynamic analysis and binary instrumentation to identify flaws
- More efficient in finding runtime bugs than any Static Analysis Tool

FlaskSR - Enable streaming of partial HTTP Responses
- Enables prioritized rendering of HTTP components in Flask
- Betters First Time To Paint and thus the UX for flask based services

WikiSe - A search engine build on top of Wikipedia Dump
- Bootstrapped a generic TF-IDF based search engine
- Tries to directly answer the query that could be, using Infobox data

Aligning Cricket Match Reports to Commentaries
- Identifies important event from a Match Report
- Maps these events to corresponding balls in commentaries

Facebook Messenger Bot for Online Shopping
- Bot enables purchasing any product directly through the messenger
- It answers any fashion related questions and queries

EDUCATION

M. Tech in Computer Science
IIIT, Hyderabad (9.02/10)

07/2013 – 05/2015

B. Tech in Information Technology
College of Engineering, Pune (8.56/10)

07/2008 – 06/2012

INTERESTS

`Blog` `Teach` `Cook` `Build`