Arpit Bhayani

Software Development Engineer II

An avid programmer, passionate about building products and utilities that affect millions of people and loves to put computers to work.

arpit.b.bhayani@gmail.com ✉

+919652602714 📱

arpitbhayani.me 🌐

WORK EXPERIENCE

Software Development Engineer II
Amazon

12/2016 – Present   *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 core database service that ensures high horizontal scalability and high 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 managing and provisioning staging environment, instances and infrastructure
- Zero downtime and Zero impact migration of Practo's Staging Infrastructure to a different AWS 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

EDUCATION

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

07/2013 – 05/2015   *Hyderabad, India*

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

07/2008 – 06/2012   *Pune, India*

SKILLS & COMPETENCIES

`NodeJS` `Python` `Java` `Golang` `Ansible`
`Puppet` `Kafka` `GraphQL` `MongoDB`
`MySQL` `Redis` `Design` `Semantic UI`
`Amazon Web Services`

PROJECTS

Tripod - Fast and Optimal In Memory Prefix Search
- Optimal and Predictable memory allocation for operations
- Uses Trie as data structure and written in Golang

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

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

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

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

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

INTERESTS

`Sketching` `Gaming` `Physics` `Astronomy`
`Mathematics` `Blogging`