

Contact

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Top Skills

Java
Linux
SQL

Languages

Tulu (Native or Bilingual)
Kannada (Native or Bilingual)
Marathi (Native or Bilingual)

Certifications

Architecting Big Data Applications:
Real-Time Application Engineering
Sramana Mitra on Bootstrapping
Kafka Essential Training
Perl Essentials

Deepak M.

Investor|SerialEntrepreneur|hacker|PolyglotProgrammer(Android|MicroServices|DataEngineering|Testing|Automation)|Artist|DJ|MusicProducer|Guitarist|Astrologer|Counsellor
Bengaluru, Karnataka, India

Summary

Deepak Marathe is a ordinary human being. It took him couple of years of facing failure to realise there is nothing extra ordinary about him. He has understood the importance of staying humble, balanced, practical, data driven, focussed, impactful, non judgemental and believes in hard work, persistence, constant learning, building and maintaining trust, cooperation to realise the meaning of synergy.

It is not failure but not success either. I built paytm for amsterdam/netherlands but failed to release the app on playstore. And hence didnt/couldnt proceed to begging investors for money. But my next startup is successful. Have completed product development of another product as a third startup in time series database thats faster than influx db in write/read throughput. Researching AI/ML for my next 2 start ups now on dating app powered by AI and algorithmic/hft trading based on AI/predictions

Experience

Quartic.ai

Staff Software Engineer

November 2019 - February 2020 (4 months)

Greater Bengaluru Area

Worked on rule engine built on top of drools / scala and optimized the system by 8X while aiming to optimise by 213X. Learnt from CEO of the company that aiming for stars and reaching moon is better than aiming for moon and being stuck in silk board signal. Implemented data retention policies on elastic search using python. While on the quest to implement best way to solve aggregation problem at real time, I found alternative to flink as well as a solution that can work with flink as an plug and play state store backed by disk, which uses a indexed time series database for lookups using memory mapped files. Benchmarks show that the throughput of the system is over and

above that of industry standard best in class available option - Influx dB. If @quartic.ai permits, I would love to open source the solution.

Booking.com

Software Developer

May 2019 - June 2019 (2 months)

Amsterdam Area, Netherlands

I was able to take up perl training as well as security training. Due to cold weather and food allergy, I could not continue my stay in Amsterdam so I had to return to India.

Halodoc ID

Software Development Engineer 3

July 2018 - December 2018 (6 months)

Bangalore

Worked towards developing and deploying features in halodoc backend system. Microservices/REST(Dropwizard), Domain modelling/mysql, AWS Lambda + Go-lang

- Doctor Referral - domain modelling, implementation(java, dropwizard), stage and production deployment. Objective was to enable patients to have a second opinion with other doctors or ability of consulting doctor to refer the patient to a specialist doctor.
- Recent Doctors - for the users that have consulted with doctors via tele-consultation, recent doctors have to be shown to the user. The objective was to increase the engagement with doctor. Used Go-Lang with AWS Lambda to generate the recent doctor list and store it as users attribute.
- doctor categories - grouping the available doctors with categories - helps the user of the app search doctors in relevant categories.
- Actively involved in debugging and resolving bugs in production.

GO-JEK

Product Engineer

December 2016 - August 2017 (9 months)

Bangalore

Worked towards building a self serve data platform scaling to millions per day of transactional data in an agile environment adhering to Pair Programming and Test Driven Development.

- Framework for data consumption from kafka, filtering based on data, and relaying it to pluggable sinks[console, database, http server] and evolved to plug dynamic sinks based on application configuration from Consul. Fault

tolerance and recovery using retry with exponential backoff semantics.

Monitoring using Datadog/JMX.

- Data archival to cold storage(GCS/Secor) and analysis(Spark/Zeppelin).
- Streaming data aggregation using [Kafka,Flink/Yarn,Influx,Grafana]. Creation and management of HA Flink cluster on Google DataProc Service. Remote submission/launch of data aggregators on flink/yarn cluster.
- Microservices: Customer Wallet Suspension Service for Fraud. Java/spark, consul/HashiCorp for configuration, gradle as build tool, gitlab as version control and CI/CD. Used Hystrix dashboard/turbine for latency and fault tolerance, guava rate limiter for rate limiting with Instrumentation(Newrelic), monitoring(datadog) and alerting(slack/pagerduty).

Intuit

Senior Data Engineer

April 2015 - October 2016 (1 year 7 months)

Bangalore

Learnt and contributed to major projects in the IDEA BU. Ensure code quality through unit tests, functional tests, code coverage numbers. Developed voice capabilities to intuit flagship product - QuickBooks Online using Amazon Voice Service API on Amazon echo hardware.

- Distributed Configuration Management Service
 - o Client using archaius from Netflix. Guice dependency injection, testable code- code coverage, unit test, integration test, mocking.
 - o REST server for configuration service using AWS-EC2, Dropwizard framework, AWS-DynamoDB.
- Dragline: data copy tool from HDFS/Hive to Vertica.
 - o Feature implementation – configuration validator, logging improvements, bug fixes, code refactor for code quality.

Deepak Marathe

- o Kerberos, HP Vertica,
- o Unit/Functional Tests for dragline: Improved code coverage numbers from 20% to 80%.
- o CI/CD for the project using Jenkins + Sonar.
- Test Framework - API to generate Mock data for testing.
 - o Data Source and Data Sink abstraction, extensible/pluggable data sources (Local FS, HDFS, S3, Vertica, Hive). Random data preparation using schema definition supplied via configuration and pluggable schema adapters. Support for Vertica data types.
- Sangria Console: Web Application for admin to blacklist/whitelist EINs o developed using Spring java + hibernate ORM tool. App deployed

on tomcat.

o SSO integration and login module.

- Extra contributions:

o Hackathon - develop speech capabilities to Intuit's flagship

product - QuickBooks Online using amazon voice service API to run QBO skill on Amazon Echo device. Host a rest server in AWS using Elastic Beanstalk.

https://developer.amazon.com/edw/home.html#/skill/amzn1.echo-sdk-ams.app.caef4128-7866-4e4f-8f32-c7234f27e8d4/en_US/info

o Develop plugins to IntelliJ IDEA : <https://github.com/deepakmarathe/EditorOpenFilesCountPlugin>

InMobi

Senior Software Engineer

April 2012 - March 2015 (3 years)

Bangalore

Developed data pipelines for batch systems. Helped team scale from handling few GB of data to few hundred TBs contributing to user base of hundreds of million. Built visualization tools for easy onboarding, analyzed large amounts of data to get insights on user patterns and helped business by building products atop those.

- Data Ingestion and Curation:

o Built, deployed and managed data pipelines to ingest data from multiple sources. Used HBase/HDFS for storage, Thrift-LZO for data modeling, and MR/Pig for ETL. Also did some ad hoc analysis using Pig and Hive.

o Augmented and automated data pipelines using in-house workflow scheduler (now Apache Falcon) built on top of Oozie. Configured a dashboard to collect and monitor metrics using Graphana.

o Was on pager duty to maintain SLA of service.

- Analytics and Products:

o Understanding user interactions using data analysis:

- Improved ability to target ads by extracting user visit patterns and segregating users by devising scoring mechanisms to infer key metrics like Daily Active Users, Monthly Active Users over large data sets. Evolved it to a framework for custom Syntax Validations and Rule Based Classification.

o User Targeting suite: Interest targeting, Retargeting, Segment/Persona targeting).

- Implemented user classification into various Personas - depending on business decision. Addressed challenges involved in User Profile Creation, Shipping to Local Data Centers, and Online-Cache population for ad serving.

Hewlett Packard Enterprise
System Software Engineer
July 2010 - February 2012 (1 year 8 months)
Bangalore

- o Application for Manageability of servers, named Replication Manager
 - Active/Passive Management of HP storage servers/ control the replication.
 - Web Application, Java.
- o Part of Open Storage (OST) plug-in team.
 - OST plug-in implementation for HP D2D storage servers, to work with Symantec 'NetBackup' solution, C/C++
 - Integration of client side de-duplication.
 - Setup and Maintained build system and Automation for HP OST.
- o Hudson as the CI tool for builds automation.
- o Builds automation on windows using visual studio command line utilities, ant, with code coverage tools integrated.
- o Linux – rhel, suse build automation-using make.
- In charge of maintaining thread related features and common code base.

Education

National Institute of Technology Karnataka
Bachelor of Technology - BTech, Information Technology · (2006 - 2010)

Activity

07/07/2020, Deepak Marathe added candidate to Senior Software Engineer