Onkar Shedge

https://iamonkar.dev/

Email : oshedge@outlook.com
Mobile : +91 7276867872

EDUCATION

- **Pune Institute of Computer Technology** — Pune, India
  Bachelor of Computer Engineering; GPA: 3.66 (9.15/10.0) — *Aug. 2012 – July. 2016*

OBJECTIVE

In my professional experience, I have worked in an environment which follows Agile, Extreme Programming practices. I have learnt to write clean code, TDD; worked on backend, DevOps. I am interested in Distributed systems, DDD. In an effort to enhance my knowledge and contribute to organization's growth, I'd like to bring these skills to the mentioned position.

EXPERIENCE

- **ThoughtWorks** — Pune, India
  Application Developer — *August 2016 - November 2020*

  ○ **Capital Management Finance Application**: Tool to capture and maintain holdings for multiple capital assets for partners. Provide an updated view to the user along with picture perfect reports and even ad-hoc analysis. Very critical application since this is the only source of truth for a partner's holding.
  I worked on the following technologies in the project :
    – Backend: MiroServices, Spring Boot 2.1, Java 11, Mysql 8, helm, k8s, GoCD pipelines
    – Monitoring & Logging: Build dashboards, alerts in Splunk. Metric collection using Prometheus and visualization in Grafana.
    – Data Migration: Migrated data from legacy application's Oracle DB to Mysql 8 using Sqlines, Pentaho and tested using Querysurge.
    – ETL: ETL of data from application to reporting using Pentaho, run using Kubertenes Jobs
    – Spring-Batch for batch transactions.
    – Frontend: Worked to some extent: React 16(React hooks), Redux, Ag-grid.

  ○ **Retail pricing solution**: Price recommendation system for products placed on the shelf. The application comprised of human intelligence and Data Science. Apart from writing Scala API's, I also worked on Data Engineering to some extent.
    – Aiflow as workflow-manager/orchestrator.
    – Spark Jobs deployed on GCP DataProc cluster.
    – Scala 2.12, Play Framework, Postgres, Kubernetes.

  ○ **ETL Application**: The goal of the application was to get data(around 250Gb) from Salesforce and dump it into AWS Redshift via S3 using *COPY* command. Analysts used this data for visualizations in Tableau.
    – Created a Kubernetes job from within the cluster, using RBAC.
    – Used Celery to speed up the downloading data from Salesforce.
    – Refactored synchronous API requests to asynchronous using asyncio.
    – Python3, Flask, React, Redux, K8s, helm, circleCI.

  ○ **Bumblebee Chatbot (Internal Application)**: Created a chatbot as a platform so that other teams can develop their features into the bot. Integrated with chat.google
    – Tool used: API.ai now known as Dialogflow.
    – Got familiar with AWS services like AWS lambda, DynamoDB, IAM roles and JWT tokens, Oauth2.
    – Golang 1.8, CircleCI

- **Pune Institute of Computer Technology** — Pune, India
  Student — *Aug 2012 - May 2016*

  ○ **Distributed Off-heap JVM Cache**: Interned at eQ Technologic. Stored large data, replicated across cluster, in JVM off-heap inspired by HDFS architecture.
  ○ **Pradnya Competition**: A Django web application, so participants can solve problems by submitting code.
  ○ **Blog**: In 2nd year wrote a blog on NASM(x86 assembly language progamming) with my colleague.
  http://nasmcodeasy.blogspot.in

Achievements

- **Google Summer of Code 2016 - Apache Zeppelin**: Notebooks are stored in the local file-system or cloud. The goal of the project was to share these notebooks with other users via p2p systems like IPFS, Bittorrent https://onkarshedge.github.io/gsoc2016/
- **ACM ICPC**: Participated in ACM ICPC regionals 2015 IIT Kharagpur, secured 71st rank, only team from PICT at that regionals.

Programming Skills

- **Languages**: Java, Python, Scala, JavaScript