Kundan Shivajirao Dere
M.Tech [IT] NITK,Surathkal

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Education

- **Masters (MTech)**
  National Institute of Technology
  Karnataka, Mangalore.
  8.94 SGPA Gold Medalist

- **Graduation (BE)**
  University of Pune.
  VPCOE Baramati, Pune.
  70.6 % Iˢᵗ Class with Distinction

Technical Skills

- **Programming Languages**
  Java,goLang

- **Key Terms**
  Spring Boot,
  goLang,
  Microservices,
  AWS, Redis, RDBMS
  BigCache, DDB

Experience [10+ Years][2.5+Years Management]

Bundle Technologies Pvt Ltd (Swiggy) Nov 2018 - Present

- **SF Foundations (Engineering Manager and Stream Lead) [2.5 + years]**
  - **April 2021 - Present (Team Size 13-15 SDE)**
    Technical:
    Foundation team owns presentation services which are edge services for swiggy consumer app handling traffic *(~200k RPM during events).* These services are responsible to taking presentational decision like widget ranking, layout selections along with widget contextual enrichments capabilities.
    People Management:
    Team of **_13-15 SDE handles ~14 microservices_** which are includes few tier1 services like (user-service, Gandalf, enrichment-service). Team also owns Identity services like user management service, session service which takes care of user session management.
    Execution
    Has been leading execution and delivery of stream big initiatives like **_Guided Discovery_**, **_UX 4.0_**, **_Progressive Profiling_**, **_Widget Ranking_**, **_Stacked widget_**.

- **Merch Core (SDE2 -> SDE3/ Tech Lead) [0.5 Years]**
  - **Oct 2020 - March 2021 (Team size 4 SDE)**
    With merch core team, owned and deliver multiple business features on tier1 like **enrichment service (throughput from _10k to 100k_), badges-service(0 to 20k),** along with other services like entity-service and identity services. Owned couple services like (carousel-service, tdpcs, user-service) being responsible to uptime of these services along with business ask deliveries. Delivered time critical feature on service carousel service (NxM carousel, Nav Carousels). Managed Storefront caches for user session consistency for serviceability, pricing and discounting info.

Oracle India Pvt. Ltd July 2013 - Nov 2018 [5.4 Years] Senior Member Technical Staff

- **OJVM / OC4 Hadoop**

    Hadoop - Oracle Container for Hadoop with enabling Mapreduce to RDBMS. Allows user to run mapreduce on database tables. Worked on adding Inputformat support for OC4 Hadoop from different data sources like Accumulo, NoSql, MongoDB, WebHDFS and from different data serialization formats like JSON, XML, RCFile and Avro.

- **OJVM/ Eclipse Plugin**

    Eclipse plug-in for OJVM is extension for OEPE. This project is targeted toward the ease of development for OJVM related JAVA project. This contains features providing in DB development options like inPlace edit, Debugging, Repository management, Navigator extension (DSE).

- **OJVM / OJVM Wcu**

    OJVM web call utility. Aim of this tool is to allow user to make web service call from Oracle database. This project is developed on the top of OJVM, which allows java code to run inside Oracle database. Utility produces java stub jar along with the SQL wrappers to make web call outs. This tool allows user to make call to REST or SOAP consuming web service description files (WSDL/WADL).

Academic Projects

- **Masters Project Projection and Interaction with Ad-hoc Interfaces on Non-planar Surfaces**
  Publication : IEEE Paper Link

    This project was targeted to address the geometric distortion free projection of and interaction with such interfaces on non planar surfaces. Kinect was used as   depth sensor for 3D scenario acquisition. We use image-per warping to mesh from Kinect. We use colored fingertip gloves for interaction. Here our system aims any day to day object surface for distortion free projection such as human body, curved wall, room corners, curtain's and many more objects.

- **Android application security (APK Shield)**

    Worked on the project under the Network and Distributed System Security course. Worked as System architect and Data Storage Team Lead. Project was focused on the development site where visitor can upload the Android application files (.apk) or apk url , site collect the file , scans for Android platform and generate report for user describing the behaviour of application, like (Safe or Malicious). Worked as part of Simulation Team which automate the Android app installation, App scanning with number of mobile pre installed antivirus, Generating scanning reports.

- **Traffic Sign Recognition System (TSR)**

    A system which can be considered as the one step toward the automated vehicles. System will make the task of driving easy and safe in critical driving conditions. Implementation of same will with some embedded system.

Web Presence

- **LinkedIn**
  https://www.linkedin.com/in/kundan-dere-487b4117
- **IEEE Paper**
  http://ieeexplore.ieee.org/document/6714128/ [4 Patent citations]