SANDEEP KUNUSOTH

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Skills ____

- Java | Python | JavaScript | TypeScript | Swift | DynamoDB | SQL | Node | Express | React | Redux | jQuery | NoSQL | .NET | Angular | Git
- AWS | Cloud Computing | CI/CD | Karate | Cypress | Cucumber | Potractor | Unit Testing | Automation | Prometheus | Kibana | Docker
- Microservices | Distributed Systems | Frontend | Backend | Full-Stack | OAUTH2.0 | OOP | Kubernetes | HLD

Experience _

Software Engineer 2

- Worked in the Hospitality domain with Oracle and Developing the next gen <u>ARI</u> (Availability Rate Inventory) search engine.
- Optimized Database interactions for the ARI engine, resulting in an 11% enhancement of user experience.
- Designed and implemented microservices and microfrontends for Property Management System using SpringBoot, Oracle DB, OJET, Kubernetes that serves content across large number of different online travel agencies like Expedia, Booking.com, Travelocity etc.

Oracle

- Led the development of several products E2E, from identifying system requirements and partner dependencies to workload balancing, software implementation, engineering, testing, and configuring metrics, alarms, monitors, and dashboards.
- Implemented E2E Test Driven Development using Karate in Backend and Cypress in the Frontend which reduced testing time by 30%.

KPIT

Build Software Engineer

- Asset Management Platform Developed a microservice to roll out updates to a fleet of vehicles and also to manage the life cycle of campaigns using Java, PostgresSql, Spring JDBC, JPA, Angular. Covered Integration Tests using Spring and E2E using Cucumber.
- BMW client POC Worked on IOS Frontend and with AWS Cloud as the backend. Developed Rest API's in Python for managing the vehicle content posted by the Vehicle Head Unit. Designed an iOS App for displaying paired vehicle content, incorporating user payment details and integrating content actions via Apple Music, Spotify, and Ticket Master SDKs.

Software Engineer

Application Developer, Intern

- Designed an Analytics Platform to gather datasets for processing using Angular, facilitating model training and result visualization stored in DynamoDB. Implemented Docker Containerization for automated model generation, cutting costs by 80% via spot AWS EC2 instances. Developed Python Rest APIs via the serverless Framework and utilized AWS services including Batch, ECS, IAM, S3, Cognito, and ECR.
- Worked on development of a Telematics Platform for European markets, utilizing Serverless Architecture on AWS Cloud, involving Backend development with Java-based Rest APIs (AWS API Gateway, Lambda, MySQL), and Frontend work using Angular (Typescript, Cognito SDK) with extensive testing (JUnit, Jasmine, Protractor).
- Contributed as an iOS Developer for Maximus Pro App, integrating Low Energy Bluetooth for hardware communication, implementing Google Maps APIs for navigation, and enhancing security via OAuth authentication. Also involved in debugging Java backend REST microservices that offer statistics using collected GPS and bike data.

•	Roll Shop Management App: Created a Windows application using Microsoft Visual Studio .NET (C#, Visual Basic) to streamline roll
	shop operations, incorporating role-based access, and enabled multi-site data synchronization via SQL Server and local SQLite databases

Developer, Intern ECIL Hyderabad, India Developed a real-time vehicle tracking system using GPS and GSM technologies, including the design and assembly of a circuit board with integrated LCD display and regulated power supply; employed an 8051 microcontroller programmed in C via Keil-µVision and a flash adapter for precise vehicle location monitoring.

Education MS in Computer Science 3.85/4 University at Buffalo Buffalo, NY, USA 08/2022 - 01/2024 **Bachelors in Electrical Engineering IIT MADRAS** Chennai, India 06/2014 - 05/2018

Projects _

• Renewable Energy Trading using Blockchain & NFTs (Solidity, React.js, Smart Contract).

Developed IR chatbot can perform chitchat and conversations from selected topics. (Solr, Angular, Flask, GCP, BERT, Reddit) (07/2022)

Certifications

• Oracle Cloud Infrastructure: Certified Architect Professional, DevOps Certified Professional, ML using Autonomous Database.

Java SE 11 Developer, Java SE 8 Programmer, Java EE 7 Application Developer, GoldenGate 12c.

Hyderabad, India 03/2021 - 08/2022

Pune. India 08/2020 - 02/2021

Pune, India 07/2018 - 07/2020

KPIT

06/2016 - 07/2016

Banglore, India

06/2017 - 08/2017

(01/2023)

Timken