

SANDEEP SATYANARAYAN YADAV

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Education

University of Texas at Arlington, MS in Computer Science (GPA - 4.0/4.0)

Aug 21- May 23

Graduate Research Assistant

Jan 22- May 22

Developed university's internal web application that helps staff/ students to book/ update lab equipment's and machines, reserve university resources etc, using *CodeIgniter framework of PHP, Ajax, JavaScript, MySQL*.

Graduate Teaching Assistant – Software Engineering, Design and Analysis of Algorithm

Jan 23- May 23

Skills

Languages	Java; JavaScript; Python; SQL; PHP; HTML5; CSS3; C++; C
Technologies	Spring core; Spring MVC; Spring Boot; Hibernate; React.js; Redux; RESTful Web services; Microservices; OAuth2; Bootstrap; JSON;
Database	MySQL; PostgreSQL; MongoDB
Tools	Git; Jira; Postman; Apache tomcat; XAMPP; MySQL; Oracle; Rally; Fitnesse; TeamCity

Professional Experience

CAE Inc – Dallas-Fort Worth, Tx, US

Aug 22 –Nov 22

Software Engineer Intern: Java Developer

- Designed and built components for UI Rich Swing product which provides service to more than 60 aviation industries.
- Wrote unit tests in JUnit 5, Mockito, Fitnesse with 100% code coverage. Participated in user story estimations.
- Enhanced queries for data intensive operations boosting performance by 15% in ORM architecture.
- Conducted daily agile meetings and sprint planning for user tickets and upcoming release tasks.

Accenture Solutions – Pune, India

Jul 2015 – Jul 2021

React Developer

Dec 2018 – Jul 2021

- Constructed different modules for housing project. Made product scalable, did software planning, maintenance, and executed new business requirements.
- Requirement to achieve application-level state management, implemented features using React.js + Redux + hooks.
- Developed functional components and consumed JSON data from API's into Redux state.
- Integrated Single Sign On (SSO) with JWT and OAuth2 user authentication.

SAP BW on HANA/ BPC Developer

Jul 2015- Nov 2018

- Guided a team of 5 for the monthly and yearly financial closing activities for the responsible module. Implemented data flow using *LSA++* architecture, enhanced ECC data load into BW by approximately 60%.
- Spearheaded yearly data reorganization and archiving activity for financial Year End Closing with 100% data correctness, received appreciation from business stakeholder.
- Performed object migration from SAP BW 3.5 to SAP BW 7.5, achieved, achieved performance improvement by 10% in internal data movement. Reorganized data loading chains resulting in reduction of data load time by 30%.

Academic Projects

- **Auto Refuel (TopGas) [2021]**, developed an android (Java) application to request gas refuelling at the vehicle location that features location tracking, rating, cloud data storage, region-based statistics. *Java, MySQL, PHP, CPanel*.
- **Student Tracker University and Department [2022]** –Developed end-to-end application using Spring Boot which extensively consumed REST api to assist students to track college events, course progress etc. *Java, Spring Boot, Spring Tool Suite, JDBC, MySQL*.
- **InstaWash Laundry [2021]**, a web application for laundry services to enable customers connect and place orders online, dashboard feature for managers. Chat for customer support using socket.io. *ReactJS, Laravel, NodeJS, MySQL*.
- **Server synchronization in a distributed network [2021]**: a tool to synchronize directory content between multiple system connected over network using java socket programming, multithreading, RPC, File IO, data stream.