SANDEEP SATYANARAYAN YADAV

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A results-driven software developer over 6 years of experience in full stack web development and data warehouse development. Proficient in **React.Js, Java, SQL, and Spring Boot** with a proven track record of delivering complex, high-quality solutions. Seeking challenging **software development** roles that offer opportunities for growth and impact.

Education

University of Texas at Arlington, MS in Computer Science (GPA – 3.91/4.0)	**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.*

GTA – Advance *Software Engineering, Software Design Pattern, Design and Analysis of Algorithm*	**Jan 23- May 23**
University of Pune, BE in Computer Engineering (GPA- 3.5/4)	**Jul 2012- June 2015**

Skills

Languages	Java8; J2EE; JavaScript; Python; SQL; PHP; HTML5; CSS3; C++; C; C#; PLSQL;
Technologies	Spring core; Spring MVC; Spring Boot; Hibernate; JPA; React.js; Redux; RESTful Web services; Microservices; OAuth2; Bootstrap; JSON; Junit; Mockito; .NET; JSP Servlet; JDBC
Database	MySQL; PostgreSQL; MongoDB; Oracle;
Tools	Git; Jira; Postman; Apache tomcat; XAMPP; Rally; TeamCity; GCP; AWS; Maven; Jupyter Notebook;

Professional Experience

CAE Inc – Dallas, Texas, US	**Aug 22 –Nov 22**

Software Engineer Intern: (Spring Boot Developer)

- Designed and built components for UI Rich product which provides service to more than 60 **aviation industries**.
- Wrote **REST microservices** in spring boot using 12-factor app methodology.
- Enhanced queries for data intensive operations boosting performance by 15% in **JPA architecture**.
- Developed the backend in Spring Boot, involving different layers of the application including **DAO/repository**, entity/model, Service, Controller, and Persistence.

Accenture Solutions – Pune, India / Full Stack Developer: (React.Js, Java)	**Dec 2018 – Jul 2021**

- Constructed reusable modules for housing project. Made product scalable, did software planning, maintenance, and executed new business requirements. Integrated Single Sign On (SSO) with JWT and OAuth2 for user authentication.
- Requirement to achieve application-level state management, implemented features using React.js + **Redux hooks**.
- Successfully migrated EJB to a modern lightweight Restful Services by leveraging my expertise in Java and web services.
- Performed fix for business-critical defects, and enhancement of existing business logic in backend.
- Built Insurance policy project for Swiss Re, which handles every phase of the policy right from the time the policy is issued by the company till it is expired or claimed

Accenture Solutions – Pune, India / Business Warehouse Developer:	**Jul 2015- Nov 2018**

- Spearheaded numerous efficient and complex SQL Stored Procedures to perform data cleansing and loading task when data is loaded into staging area that read data from multiple transactional tables and merge them based on number of business criteria's and KPI needs
- Optimized the performance of queries with modifications in SQL calculation views, removed unnecessary columns, and eliminated redundant and inconsistent data. Extracted data from 20+ sources and transformed them into a single format for easy reporting using PL/SQL.

Academic Projects

- **Student Tracker University and Department [2022]** –built end-to-end application using Spring Boot which extensively consumed REST services 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**.**