

Srushti Sachdev

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SKILLS

Programming Languages and Tools: Data Structures and Algorithms, Java, Python, Javascript, NPM, Visual Studio, Spring Tool Suite, Git/Github, Linux (Bash Shell Scripting), SDLC - Agile, Postman (API Testing)

Libraries and Paradigms: ReactJS, ExpressJS, Node.js, REST API, OOP, SpringBoot, Spring MVC, JWT, Kafka, Cloud Computing Service - AWS, Pandas

Data and Distributed Systems: SQL, MySQL, NoSQL, Firebase Firestore, MongoDB

EXPERIENCE

Software Engineer, Accenture Solutions, Mumbai, Maharashtra, India

Jan 2021-Jul 2021

- Implemented the company's internal analytics system to organise employee data for 1,000+ employees
- Integrated data from internal and external systems using **SQL queries** resulting in a globally consistent view of data, and a reduction of data discrepancies by 70%
- Programmed and scheduled SQL **stored procedures** to reduce the manual effort by 60%
- Revamped the report generation process by implementing automated workflows in **MS Excel**, resulting in saving of 20+ hours per week for business stakeholders
- Monitored the reports and met daily and weekly deadlines to eliminate redundant reports, thus successfully participating in an **Agile SDLC methodology**

PROJECTS

Blog Application

May 2023-July 2023

(Tech Stack: Java, SpringBoot, Spring MVC, Spring Data JPA, Spring Security - JWT)

[View on Github](#)

- Architected **RESTful** service to handle blogging features including posts, users and category CRUD operations
- Designed **database schema** and used **Spring Data JPA (Hibernate)** to manipulate the database and **MySQL** to store data
- Used annotations to form **one-to-many and many-to-one relations** between the entities - post, user and category
- Integrated **Spring Security** using **JWT role-based authentication and authorisation** and **input validation** to enable the security
- Deployed Spring Boot project on **AWS** using **Elastic Beanstalk** for scalable and managed deployment infrastructure

V-Assist: Digital Divide Elderly

Sept 2022-Dec 2022

(Tech Stack: ReactJS, Javascript, CSS)

[View on Github](#)

- Developed a **Single Page Application UI using ReactJS** which aimed to help people gain knowledge of existing apps, thus reducing effort and time to understand any app by 90%
- Conceptualized **Git** for version controlling and regularly pushed the code to **GitHub** which improved the team collaboration by 80%
- Incorporated **React Hooks like useState and useEffect** for the state management inside the components
- Created reusable **React Functional Components** and stand-alone functions thus reducing the code redundancy by 80%

ExerTracker

Nov 2022-Dec 2022

(Tech Stack: MongoDB, Express, NodeJS, REST API)

[View on Github](#)

- Programmed a **RESTful API using NodeJS and, ExpressJS** thus incorporating **middleware functions** for enhanced request handling
- Deployed **JWT-based authentication and authorisation** mechanisms to ensure **secure API access**
- Used **Postman** tool for testing **REST APIs** thus improving the API modifications rapidly

EDUCATION

The University of Texas at Dallas, Richardson, TX

Aug 2021-May 2023

Masters of Science in Computer Science

University of Mumbai, Mumbai, Maharashtra, India

Aug 2016-Oct 2020

Bachelor of Science in Computer Engineering

PUBLICATIONS

- Sahu S., Kshirsagar S., Sachdev S., Singh N., Tiwari A. (2021) [AIDE—AI and IoT-Enabled Home Automation for Disabled and Elderly](#) In: Hassanien A.E., Bhattacharyya S., Chakrabati S., Bhattacharya A., Dutta S. (eds) Emerging Technologies in Data Mining and Information Security. Advances in Intelligent Systems and Computing, vol 1286. Springer, Singapore.
- S. Kshirsagar, S. Sachdev, N. Singh, A. Tiwari and S. Sahu, [IoT Enabled Gesture-Controlled Home Automation for Disabled and Elderly](#) 2020 Fourth International Conference on Computing Methodologies and Communication (ICCMC), 2020, pp.821-826.