

JHANAVI DAVE

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PROFILE

Software Engineer with extensive experience in designing and deploying production systems, specializing in Java development, Spring framework, ReactJS, and API design. Proven ability to create scalable, efficient solutions using technologies like Java, ReactJS, Flutter, UiPath, and cloud platforms.

EDUCATION

Master of Computer Science Illinois Institute of Technology, Chicago, IL, GPA, 3.0/4.0	AUG. 2022 – AUG. 2024
Bachelor of Technology Usha Mittal Institute of Technology, Mumbai, India, GPA 3.3/4.0	JUN. 2015 – APR. 2019

SKILLS

- **Programming & Markup Languages:** Java, Python, C, C++, SQL, JavaScript, HTML5/CSS3, Dart
- **Developer and AI/ML Tools:** Google Cloud Platform (GCP), Google App Engine, Arduino, MySQL, Postgres, Cassandra, MongoDB, NoSQL, MySQL, Neo4J, AWS
- **Frameworks:** JDBC, React.js, Node.js, Flutter, RestAPI, JSON, Kafka, Apache Spark, Hadoop MapReduce, Spring Framework, Java EE, AngularJS
- **Libraries:** Pandas, NumPy, Matplotlib, Hadoop

EXPERIENCE

SENIOR TECHNOLOGY ASSOCIATE

Colgate Global Business Services Pvt. Ltd., Mumbai, India JULY 2019 - JUNE 2022

- **Automated Job Sheet:** Led and developed an automated monitoring system for **30k daily SAP jobs**, utilizing **Google App Script, JavaScript, HTML5/CSS3, ScriptApp API, GmailApp API, StoneBranch** enterprise job scheduler and **SAP Production Systems**. Integrated with Google Sheets for **real-time job tracking** and notifications, significantly enhancing operational efficiency. The system **reduced manual monitoring time by 30-45 minutes daily**, improved overall monitoring **efficiency threefold**, and **lowered incident tickets by 15%**.
- **Asia Pacific Demand Sensing Rollout:** Developed and implemented a **demand sensing algorithm** for the **Asia-Pacific production region** using **Demand Planning Algorithms, SAP Production APO, R/3 and S/4 HANA Systems, Inventory Optimization Tools**, and **data analysis technologies and Macros**. The system **automatically generated 6-week forecasts** by analyzing **future baseline, sales orders, shipments, and uplifts**. This **improved forecast accuracy by 20%**, **optimized inventory by 15%**, and enhanced deployment efficiency, leading to a **25% reduction in stockouts**.
- **Year-End Automation Initiative:** Led the automation in global **production systems** using **UiPath, RPA, SAP Production APO, R/3 and S/4 HANA Systems, Macros**, and **StoneBranch** enterprise job scheduler for analyzing and automating fiscal year transitions over **SAP Production Systems** and **SAP IBP Cloud**, planning area extensions, and time stream regeneration, **reducing five tickets daily** and **improving operational efficiency across Production Systems and IBP Cloud**.

PROJECTS

- Developed a **full-stack e-commerce website** for **gaming products** using **HTML5/CSS3, Java, ReactJS, JDBC, RestAPI**, and **MongoDB**. Enhanced user engagement by **40%** through **UI optimization** and **reduced server response times by 25%** with efficient data handling.
- Developed a **full-stack web server application** for managing blood and donor records during emergencies using **HTML5/CSS3, Java, JDBC, Google App Engine**, and **Spring Framework**. This system **reduced contact time with emergency services by 70%**, improving response **efficiency**. Technologies like **MongoDB, MySQL**, and **Google Cloud Platform** were utilized. Website: [Blood Bank Management using Cloud Computing](#).

ACHIEVEMENTS

- Recognition for resolving highest support tickets in the year **2021**.
- Awarded "**Rising Star**" for **initiating** and **successfully leading** the **Job Monitoring Sheet Automation project** in 2019.
- Received the **Operational Excellence** and **Technology & Innovation Excellence Award** for automating critical business processes and improving SAP system performance.