Sachin Bhardwaj

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WORK EXPERIENCE

TCS – Software Engineer   **November 2022 – June 2023**

- Led React *v*18 migration, tested and integrated application with upstream and downstream services, and reducing memory consumption by 15%.
- Diagnosed and resolved 4 downtime incidents by monitoring performance metrics, analyzing logs for root cause, and deploying fault-tolerant solutions to prevent future failures.
- Initiated UI enhancement for autonomous kiosks and ship-specific apps, driving 95% user engagement, a 45% rise in event reservations, and boost in Point of Sale.
- Optimized API request handling and scalability in a distributed system, lowering page load time by 1.5 seconds. Used Postman for API testing and validation to ensure seamless Microservice communication.

Accenture – Software Engineer   **July 2020 – November 2022**

- Examined user engagement trends in credit union services, identified low interaction rates, and implemented rewards program feature, boosting user engagement and traffic by ~25%.
- Documented client requirements and delivered statement processing component by building a cross-browser compatible statement mailing request in React, reducing response time by 20ms.
- Amplified electronic credit card statement delivery by introducing monthly, quarterly, and yearly options, maximizing transparency and resolving over 100 customer incidents.
- Designed 3 API request workflows and load balancing feature, cutting downtime by 40% in high-traffic environments. Automated testing with Cypress, minimizing manual effort and strengthening JUnit code coverage.

SKILLS

Databases & Frameworks: MongoDB, PostgreSQL, Node.js, Express.js, React, Redux, Next.js, Angular
Programming & Scripting Languages: JavaScript, TypeScript, Python, Java, HTML, CSS
Tools & Technologies: Git, Cypress.io, ES Lint, RESTful APIs, Jira, Jenkins, Big Data
Cloud & Infrastructure: AWS, Azure, Docker, CI/CD Pipelines, DevOps
Other Areas: Agile, System Design, Data Structures, Responsive Web Design, Debugging, Testing

PROJECTS

ReadNext – Your Personalized Book Guide | *Python*, *NumPy, Scikit-learn*   **December 2024**

- Refined a Machine Learning filtering model using Cosine Similarity and Sparse Matrix techniques to improve data efficiency and scalability. Built a preprocessing pipeline for 6,000+ records, eliminating delays and maximizing performance.

EmployEase DB | My*SQL, UDFs, Normalization, Load balancing, ETL*   **December 2024**

- Developed a SQL database utilizing Cursors, Triggers, Stored procedures, User defined functions(UDFs), Schema normalization, Distributed database system, and Database design to streamline job tracking and interview scheduling, optimizing data management for 1,500+ records.

Mental Health & Stress Level Across Industries | *Matplotlib, Tableau, PySpark*   **November 2024**

- Analyzed impact of remote work on stress, job satisfaction, and health by refining a dataset of 5,500+ records. Used Python, SQL, and Tableau to generate actionable insights for recruiters and employees.

EDUCATION

Arizona State University, USA | Masters in Information Technology | *GPA – 4.0/4.0*   **May 2025**
KIIT, India | B.Tech in Computer Science | *GPA – 3.6/4.0*   **May 2020**