

KALASHIKAM SAKETH VARDHAN

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Summary

Experienced Software Engineer with 2 years at Infosys, specializing in Java, Python, .NET, React.js, SQL, and Azure DevOps. Proficient in full-stack development, CI/CD pipelines, and data management with a strong problem-solving mindset. Actively seeking internship opportunities to apply technical skills and contribute to innovative projects.

Technical Skills

Programming Languages: Java, Python, SQL, C, C#, .NET, JavaScript.

Technologies: Azure DevOps, Apache Spark, MySQL, React.js, ASP.NET Core, REST APIs, HTML, CSS, Jupyter, AutoCAD.

Developer Tools: VS Code, IntelliJ, Postman, Microsoft Excel, Microsoft Office, Spyder.

Platforms: Azure Pipelines, Cloud Security, Network Security.

Skills: Data Visualization, Advanced DBMS, Risk Management, User Interface Design, Problem-Solving, Critical Thinking.

Professional Experience

Software Engineer, Infosys

Dec 2021 – Dec 2023 | Mangalore, India

- **Backend .NET Developer:** Collaborated with onsite clients to resolve incidents throughout the data lifecycle using **.NET Core**, applying robust data engineering principles to ensure efficient data creation, erasure, and updates.
- **Full-Stack Development:** Gained 4 months of experience as a full-stack developer, utilizing **React.js** for front-end development and **.NET** for building scalable backend systems, ensuring a seamless user interface and experience.
- **SQL Expertise:** Demonstrated proficiency in **SQL** by managing and manipulating data, writing complex queries, performing database optimizations, and ensuring data integrity and consistency across the system.
- **Incident Management:** Efficiently handled and resolved incidents using a combination of **.NET, SQL**, and data engineering tools, ensuring timely resolution of client issues and minimizing system downtime.
- **Azure DevOps Pipeline:** Deployed applications and updates using **Azure DevOps Pipeline**, automating the CI/CD process for seamless code integration and delivery, reducing manual intervention and enhancing deployment speed.
- **Client Collaboration:** Worked closely with onsite clients to troubleshoot and resolve technical issues, utilizing **Agile methodologies** and conducting root cause analysis to enhance system reliability and performance.
- **React.js and .NET Integration:** Built and maintained full-stack applications by integrating **React.js** on the front end with **ASP.NET Web API** on the backend, ensuring efficient communication between the client and server-side components.
- **Technical Recruitment:** Collaborated with the Infosys hiring team, leveraging technical expertise in **.NET, React.js**, and **SQL** to assist in filtering candidates for specific job openings, ensuring the selection of skilled candidates.

Capstone Project, Infosys

Dec 2021 – Feb 2022

- **Capstone Project - Dispensary Data Management System** Developed a data management system utilizing **.NET Framework** and **MySQL** for handling dispensary operations. Designed and implemented efficient queries to perform CRUD operations, ensuring optimal data integrity and performance.
- **Full-Stack Development with .NET** Leveraged **ASP.NET MVC** for backend logic and data manipulation, integrating with **MySQL** databases to create, update, and delete records while maintaining scalable and clean code architecture.
- **SQL Query Optimization** Wrote and optimized complex **SQL queries** for data retrieval and transaction management, improving system performance and ensuring data accuracy across multiple datasets.
- **Hands-On Experience in Database Design** Applied advanced **MySQL** techniques for database design, schema creation, indexing, and normalization, ensuring efficient data storage and retrieval within the capstone project.
- **Collaboration and Problem Solving** Demonstrated effective teamwork and problem-solving skills by collaborating with peers during the project, applying **Agile methodologies** to deliver the project within deadlines while addressing real-world data challenges.

Projects

Book Ratings Analysis Project, Arizona State University

Aug 2024 – Nov 2024

- Utilized data mining and machine learning techniques to analyze a large dataset of book ratings, identifying trends and patterns to enhance user recommendations.
- Initiated and preprocessed the dataset by loading and cleaning the ratings CSV file, ensuring high-quality input for model training and analysis.
- Developed and implemented custom Python code to analyze user and book interactions, enabling accurate prediction of user preferences.
- Employed visualization libraries to present insights and trends in the dataset, facilitating better understanding of rating distributions.
- Focused on optimizing algorithms for efficiency, ensuring scalable processing of large datasets and delivering actionable insights.

Research on Privacy Requirements for Mobile Applications

Feb 2024 – Mar 2024

- Integrated **privacy by design** principles into mobile applications, utilizing **encryption algorithms** such as AES and RSA to protect sensitive data from unauthorized access.
- Implemented **user consent frameworks** and **GDPR-compliant mechanisms**, leveraging technologies like **OAuth 2.0** for secure user authentication and authorization.
- Applied **cryptographic techniques** and **SSL/TLS protocols** to ensure secure data transmission between mobile applications and servers, preventing data breaches and ensuring confidentiality.
- Conducted **vulnerability assessments** and employed **multi-factor authentication (MFA)**, enhancing mobile application security and safeguarding user data in compliance with global privacy standards like **ISO 27001**.

Manufacturing of Bowling Machine

Oct 2019 – Feb 2020

- Spearheaded the development of a cutting-edge bowling machine by proficiently coding its core functionalities in **Python**.
- Demonstrated technical prowess by seamlessly integrating the Python code with **Arduino**, achieving precise control over the machine's operations and ensuring optimal performance.
- Led a **cross-functional** team in the end-to-end development of the bowling machine, serving as the project leader and coordinating tasks across software and hardware engineering disciplines.

Education

Master of Science, Information Technology and Project Management,
Arizona State University

Jan 2024 – present | Tempe, AZ