Keshav Singhal

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SUMMARY

With 2 Years of experience delivering quality B2B software solutions in a collaborative environment, I graduated with a Master's in Computer Science and a strong command of Java, SQL, and React. I have worked with database systems like SQL Server & MongoDB and implemented CI/CD pipelines using Git. I am actively applying for a Software Engineer role that will allow me to contribute to social impact initiatives and expand my cloud computing and system architecture expertise.

EDUCATION

Cleveland State University, Washkewicz College of Engineering, Cleveland, Ohio, USA — Aug 2021 - May 2024

Master's in Computer Science | GPA: 3.77

Thapar Institute of Engineering and Technology, Punjab, India — Aug 2016 - May 2021

Bachelor's in Computer Science | GPA: 3.54

WORK EXPERIENCE

Software Engineer Intern — May 2023 - May 2024
MRI Software, Solon, OH, USA
- Improved data accuracy for over 200,000 records by configuring Import/Export API whitelist metadata in C#, ensuring alignment with PMX Windows table counterparts.
- Migrated 15 PMX Web Design Setup and Maintenance pages to MRI Application Studio (MAS) Web pages, enhancing UI functionality and documenting workflows in JIRA and Confluence.
- Reduced bug occurrences by 30% through test planning and execution for 100+ Import/Export API calls using Postman & Jenkins and validated MAS pages using Playwright.

Salesforce Data Entry Intern — Mar 2023 - May 2023
CrossCountry Mortgage LLC, Cleveland, OH, USA
- Achieved 99% data accuracy by organizing and importing large datasets from Microsoft Excel into Salesforce CRM.
- Boosted marketing campaign efficiency by 20% by collaborating on data organization strategies with cross-functional teams.
- Maintained data integrity for 10,000+ records, optimizing database handling processes and implementing SQL-based best practices.

Python Developer Intern — Jan 2020 - Jun 2020
Sebiz InfoTech Pvt Ltd, Mohali, PB, India
- Co-developed an e-commerce platform (Mecca.com) serving 50,000+ users, collaborating with a team of 5 Python developers.
- Reduced payment defaults by 80% by implementing secure payment gateways and cart management systems.
- Enhanced platform functionality using Django and Python libraries, driving increased customer engagement and site traffic.

Java Developer Intern — Jun 2017 - Jul 2017
Gitstein Technologies, Patiala, PB, India
- Designed an Online Email Administration Application, reducing manual email account setup time by 70%.
- Automated email account creation for 1,000+ accounts per month, cutting complaint resolution time by 50%.
- Delivered the project leveraging Core Java, SQL, and Data Structures and Algorithms (DSA) expertise.

SKILLS

- Programming Languages: C#, Java, Python
- Frameworks: .NET Framework, Spring Boot, Django
- Web Development: React, HTML, CSS, JavaScript/TypeScript, RESTful APIs, GraphQL
- Databases: SQL, NoSQL, MS SQL Server, MongoDB
- Cloud Platforms: AWS, GCP, Azure
- AI/ML: Foundational AI, LLMs
- DevOps Processes: Version Control, git, GitHub, Docker, Kubernetes, CI/CD pipelines, Jenkins
- Testing/Automation Tools: Unit Testing/Integration Testing, Playwright, Postman
- Project Management: JIRA, Confluence, Scrum/Agile Methodologies, Software Development Lifecycle SDLC
- Microsoft Suite: MS Excel, MS Word, MS Outlook, MS PowerPoint
- Computer Science: Algorithms, Data Structures, Operating Systems, Windows, Linux, Networking, OOPS Principles, Microservices, System Design

PROJECTS

E-Commerce Marketplace Application, Mecca.com (Python, Django)
- Designed an E-Commerce website with functionalities ranging from cart selection to payment gateways using Django Framework and Python.

Email Administration Software (Java, SQL, Data Structures & Algorithms)
- Developed a software application that automates creating new email accounts in an organization using Java, SQL, and Data Structures and Algorithms (DSA).

MP3 Player (Python)
- Built a virtual MP3 player with features for users like playing, stopping, and changing any music file stored on a computer using Python. Accuracy in terms of efficiency: 90%

Telegram Bot / Pocket Dictionary (Python, JavaScript)
- Built a live Telegram Bot called Pocket Dictionary Bot, enabling users to find any word's pictorial meaning anywhere using Python and Basic JavaScript. Accuracy in finding meaning: 95%.