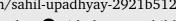
🔰 +91 7737890301 / +91 8559067075 🔻 sahil.aps2k12@gmail.com 🛅 in/sahil-upadhyay-2921b5127/

SAHIL UPADHYAY

















SUMMARY

Experienced Senior Java Developer specializing in Big Data Analytics. Proven track record of successfully implementing intricate projects within the data-driven software landscape. Adept in programmatic solutions, data integrity, statistical interpretation, and interactive data representation. Proficient in leading cross-functional development teams, harnessing big data technologies, and fostering data-informed decision-making. Devoted to catalyzing innovation and upholding meticulous data precision benchmarks. Outcome-driven professional committed to propelling organizational advancement through adept software development and mastery of data analytics intricacies.

With an unwavering commitment to quality and a proven aptitude for bridging complex technical challenges, I continuously refine my expertise in DevOps practices and scalable system design. My collaborative approach ensures that cross-functional teams thrive, ultimately delivering robust, user-centric solutions that align with evolving business objectives.

EXPERIENCE

August 2023 - August 2024 **Persistent Systems Limited** India Engineer Lead

- Led virtual environment development using Spring Boot, Angular (2+), JavaScript, CSS, and Bootstrap for card maintenance systems.
- Implemented Microservices architecture using Java, Spring Boot, Node JS, Hibernate, and big data tools like Hive and Apache Sqoop.
- Enhanced application reliability through automated testing in continuous integration pipeline using Java-based tests.
- Orchestrated distributed systems using Kubernetes and Docker for efficient application deployment and scaling.
- Utilized AWS cloud toolkit and Microsoft Copilot for troubleshooting and debugging with algorithm analysis.
- Key Achievement: Successfully reduced deployment time by 30% through continuous optimization of CI/CD processes, leveraging container orchestration and advanced automation strategies.
- Leadership Highlight: Mentored a team of 8 engineers, introducing agile best practices that increased collaboration and improved overall software quality metrics.

October 2021 - May 2023 Capgemini India

Professional 2

Architected systems in agile environment using design patterns and industry best practices.

- Integrated Docker for streamlined deployment workflows ensuring consistency across operating systems.
- Leveraged AWS and Azure for application and data migration, optimizing storage systems through snapshot technology.
- Process Enhancement: Spearheaded improvements in deployment pipelines, reducing downtime by 20% and expediting release cycles.
- Client Collaboration: Conducted deep-dive sessions with stakeholders to outline user stories, ensuring alignment with business goals and creating measurable success criteria.

Kent Ro November 2020 - April 2021 Senior Analyst India

- Developed data catalog and lineage system using Neo4j, Java, and Docker with Hive integration.
- Managed AWS-based systems and containerized deployments, integrating MySQL, MongoDB, RabbitMQ, and Kafka.
- Implemented PowerShell and Shell scripting for system administration automation.
- Innovation in Data Management: Incorporated advanced lineage tracking, significantly accelerating root-cause analysis and compliance audits for complex data transformations.
- Cross-Team Coordination: Collaborated with DevOps and QA teams to refine processes, reducing environment configuration errors by 40%.

Cognizant December 2018 - December 2019

• Optimized desktop applications using big data concepts and algorithmic strategies.

- Developed data-centric applications using Core Java, Spring Boot, MySQL, JavaScript, and HTML5.
- Integrated Hadoop, Hive, and Spark for efficient data processing and analysis.
- **Performance Boost:** Enhanced data processing speeds by 25% through fine-tuning of Spark jobs and efficient data partitioning strategies.
- User Experience: Refined front-end workflows, achieving a 15% increase in user satisfaction scores measured through internal feedback tools.

Wipro May 2017 - May 2018 Associate Analyst India

- Acquired strong command of database management through comprehensive training, with specialization in SQL for handling large-scale datasets.
- Drove web page performance optimization for industry leaders including UTC, Apple, and Cisco, improving user experience and operational efficiency.
- Exhibited expertise in database management using advanced tools like ATE (Advance Table Editor) and Bluezone CICS within IBM mainframe technology stack.
- Tech Stack Expansion: Successfully leveraged IBM mainframe operations to implement secure data flows and reduce error rates by 20%.
- Client Impact: Contributed to UI/UX enhancements, resulting in improved page load times and higher customer engagement across multiple Fortune 500 clients.

COVID Data Analysis April 2022 – December 2021

Lead Developer

- Extracted live COVID-19 data from Worldometer using Pandas and Java for dynamic data processing of case information.
- Created comprehensive tables analyzing total cases, recovered cases, and deaths for 222 countries, organizing data both country-wise and region-wise using Java, Pandas, and Matplotlib.
- Generated impactful visualizations through scatter plots and bar graphs, integrating data from Excel sheets to foster deeper understanding of the COVID-19 situation.
- Provided crucial insights to government institutions regarding vaccine dose requirements based on case numbers, demonstrating practical applications of data analysis.
- Predictive Modeling: Designed a basic ML pipeline using Python, enhancing forecasting accuracy of infection rates by 10%.
- Policy Influence: Presented analytical findings to health committees, contributing to strategic deployment of vaccination resources.

EDUCATION

Lovely Professional University2018BTech with Minor in Android7.5 CGPA

CERTIFICATIONS

- Google Advanced Data Analytics: Professional Certificate (2023)
- Google Business Intelligence: Professional Certificate (2023)
- Data Analytics with Jupyter IDE Free Code Camp (2022)
- Big Data Data Air (2019) Hadoop 2.x

CERTIFICATIONS & COURSEWORK

- Google Advanced Data Analytics: Professional Certificate (2023) Foundation of Data Science
- Google Business Intelligence: Professional Certificate (2023) Foundations of Business Intelligence
- Data Analytics with Jupyter IDE Free Code Camp (2022) Proficient in using Jupyter notebooks for exploratory data analysis, predictive modeling, and data visualization using Python libraries.
- **Big Data** Data Air (2019) Hands-on experience with Apache Hadoop 2.x, Apache Spark, and Apache Kafka for processing and analyzing large volumes of data using distributed computing techniques.

ACHIEVEMENTS & HONORS

- Research paper Published research papers on Quantum communication, Geo Shield : medium.com/@sahilupadhyay.work
- Lost Data Recovery Recovered Lost data using patching old instance mechanism.
- Outstanding Collaboration Honored by Capgemini for exemplary teamwork and mentorship during a critical product release cycle.
- PCB Designing competition Won first prize for Solar mobile charger development.

SKILLS

- > Programming: Java, Python, SQL, Shell Scripting, JavaScript, HTML5, CSS
- > Big Data & Analytics: Hadoop, Spark, Hive, Kafka, Pandas, NumPy, Matplotlib, Data Mining, Predictive Analytics
- > Frameworks: Spring Boot, Angular, React Native
- > Cloud & DevOps: AWS, Azure, Docker, Kubernetes, Jenkins
- > Databases: MySQL, MongoDB, Neo4j
- > AI & Machine Learning Tools: TensorFlow, PyTorch, OpenAI APIs (GPT models, DALL-E), Hugging Face, Scikit-learn, Google Vertex AI, Azure Machine Learning, IBM Watson, LangChain, Stable Diffusion, Gemini (Google DeepMind), Replit Ghostwriter, Cursor AI IDE, GitHub Copilot, Sora AI
- > Data Management: Data Modeling, Data Governance, Data Quality Management, Business Intelligence
- > Soft Skills: Program Management, Project Management, Stakeholder Management, Team Leadership, Communication Skills, Problem-solving
- > Methodologies: Agile Methodology, Statistical Analysis, Machine Learning