

Vikas Rai

Software Engineer

✉ vikasrai95lg@gmail.com ☎ 8840650326

📍 Bangalore, India **in** LinkedIn **G** Github

🌐 GeeksForGeeks

Education

B.Tech (CSE), BBDNIIT

2015 – 2019 | Lucknow, India

Certificates

- Machine Learning [↗](#)
- Java EE
- Java SE

Skills

Languages

C, C++, Java, Python, JavaScript, TypeScript, PL/SQL, HTML, CSS

Databases

Oracle SQL, PostgreSQL, MongoDB

Frameworks

Spring Boot, Angular

Devops

Google Cloud Platform, AWS, Jenkins, Git, SVN, Shell/Bash Scripting, CI/CD

Projects

Secure Auditing and Cloud De-duplication of Data, Final Year Project

- De-duplication of data to be uploaded on cloud server i.e. only one copy of data is uploaded on the cloud to save storage.
- Encryption of data using AES algorithm and hashing for checking Integrity of data using MD5 algorithm.
- Technologies used: Java, JSP, MySQL, SQL YOG, Apache Tomcat Server, Eclipse IDE.
- Design Pattern: Model View Controller(MVC).

Professional Experience

Software Engineer, Bandhoo

04/2022 – 04/2023 | Bengaluru

- Implemented Google and Microsoft OAuth 2.0 with Spring Security, enabling a robust single sign-on facility for seamless access to multiple products using a unified set of credentials.
- Restructured table usage within the system, transitioning from agency email identification to agency ID, ensuring improved data integrity and consistency throughout the application.
- Developed and deployed a user-friendly user management system, empowering agencies to have multiple logins and efficiently manage users with the introduction of a primary email functionality and configurable user limits.
- Engineered scalable and testable APIs for Generic Approval Flows, improving efficiency and collaboration across multiple modules by providing clients with a secure and structured workflow solution.
- Designed and developed high-performance APIs for the Real-Time Bidding Reverse Auctioning feature. These APIs empowered bidders to actively participate in live bidding sessions hosted by vendors on the platform. The implementation of this feature enhanced user engagement and facilitated dynamic bidding interactions.
- Led a team in designing and developing a Master Material facility, streamlining material management processes by enabling buyers to effortlessly upload and implement their individual master databases.

Software Engineer, TCS-Digital

08/2019 – 03/2022 | Kolkata

EDP Data Migration-

- Designed and developed queries, stored procedures for data migration and performance tuning.
- Created Materialised views, logs, indexes which led to reduce the query time by **80%**.
- Wrote scripts, for automating the Mview Refresh using Mlogs for fast refresh which reduced data population time from source to target by **85%**.
- Developed package for recognizing mismatch in source and target data, pointing out the column of mismatch.
- Trained and mentored over **10** junior programmers and developers.
- Received **On the spot** award for designing DB structure of application.

Improved Engineers productivity-

- Maintained Git Workflow for Version Control(SCM).
- Developed and maintained automated CI/CD Pipelines for Code Deployment using Jenkins, Python and Shell Scripting.
- Automated the deployment process which reduced the manual efforts by **80%**.
- Eliminated manual efforts at all stages improving the overall process by more than **30x** thereby reducing the deployment time from **5** hours to **2** minutes