Dheeraj D

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EDUCATION--

International Institute of Information and Technology-Bangalore   **Remote**
Executive Post Graduation in Data Science, Data Engineering Specialization (CGPA: 3.64/4)   Jun, 2023 – May, 2024

SRM Institute of Science and Technology   **Chennai, India**
B. Tech, Computer Science and Engineering (CGPA: 8.33/10)   Jun, 2017 – June, 2021

WORK EXPERIENCE--

EY Global Delivery Services

Senior Software Engineer   **Chennai, India** | Apr, 2024 – Present
- Scripted 7 Cron jobs to automate data migration and email services, reducing manual intervention and improving operational efficiency, enabling the team to focus on higher-value tasks.
- Conducted a Proof of Value (PoV) analysis to demonstrate how client system configurations can be secured using Ansible, aligning with CIS benchmarks, resulting in enhanced security posture and increased client confidence in infrastructure.
- Created a user-friendly dashboard in a client application to streamline roles and user access reviews, resulting in a 25% increase in reviewer efficiency.
- Optimized the code repository by integrating all user profile data into a single API call, reducing API calls and improving application efficiency by 87%.

Software Engineer   **Chennai, India** | Oct, 2022 – Apr, 2024
- Resolved 20+ client-reported bugs by maintaining daily communication with clients to understand their needs, ensuring project alignment and enhancing client satisfaction throughout the project lifecycle.
- Automated the Java application build process by implementing a GitHub Actions workflow with a caching mechanism, resulting in a 30% reduction in build time and enhanced development efficiency.
- Integrated SonarQube checks into GitHub workflow, automating Jira ticket creation for identified code vulnerabilities, resulting in a 10% improvement in issue tracking and resolution efficiency.
- Revamped client application to integrate new parameters and improve code readability, resulting in a 10% reduction in issues and increased user satisfaction.

Associate Software Engineer   **Chennai, India** | Jun, 2021 – Oct, 2022
- Developed and implemented over 10 Terraform scripts for AWS, enhancing deployment efficiency and significantly reducing manual errors.
- Constructed a CI/CD pipeline using AWS DevOps to automate the deployment of over 20 Terraform modules, resulting in a streamlined process that improved efficiency and reduced deployment time.

SKILLS --
- **Data Management Tools**: Hadoop, Spark, Sqoop, Kafka, Hive, Airflow, SQL Server Management Studio, AWS Glue, Azure Databricks, Snowflake, AWS Redshift, MySQL, MS SQL, HBase, Azure Data Factory, Azure Synapse Analytics.
- **CI/CD**: GitHub Actions, Azure DevOps.
- **Languages**: Python, PHP, HTML, CSS, JavaScript, C++, C, Java, Terraform.
- **Version Control System**: GitHub

PROJECTS ---

E-commerce Data Pipeline using Databricks   **Remote** | Oct, 2024
Created an automated data pipeline for event-driven ingestion of 20,000 user records and periodic updates of seller, buyer, and country data, converting files to Parquet format for efficient transformation in Databricks utilizing a medallion architecture.

Spotify ETL   **Remote** | Oct, 2024
Engineered a fully automated system that weekly ingests Spotify playlist metadata into Snowflake, utilizing AWS services such as CloudWatch, Lambda, Glue, S3, and SnowPipe, thereby eliminating manual intervention and enhancing data processing efficiency.

YouTube Data Analysis   **Remote** | Aug, 2024
Designed a comprehensive ETL strategy using AWS Glue to transform and join datasets, optimizing the data schema and preparing over 70,000 records for analysis, thereby improving reporting capabilities across multiple regions.

Data Capture and Analysis of Cab Rides   **Remote** | May, 2024
Constructed a data pipeline to capture and process clickstream and booking data using Kafka and Spark, enabling the execution of analytical queries on the collected data.