Adrij Shikhar

Personal Info

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Github
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Website
https://adrijshikhar.github.io/

Skills

Java, Python, Docker, MySQL, PostgreSQL, GoLang, GraphQL, GoLang, C++

Awards

Dec 2020

3rd Place - CSAW Embedded Security Challenge 2020 - Global

Dec 2020

1st Place - CSAW Embedded Security Challenge 2020 - National

Work Experience

SDE II   *Jun 2022 - Current*
Hevo Data, Bangalore

- Spearheaded the implementation of MySQL binary log replication using Debezium DDL parser, significantly enhancing data synchronization and ensuring seamless real-time updates.
- Achieved a remarkable **5x boost** in data ingestion speed throughput within the MySQL connector, optimizing overall system efficiency.
- Engineered substantial improvements in core database interactions, yielding an outstanding **15x performance enhancement** in critical operational components.
- Implemented user-facing logs in near real-time with PII redaction using AWS S3 and AWS Comprehend.
- Worked on integrating micro-services architecture on AWS Fargate with Otel observability.
- Integrated Temporal based task execution system for better reliability and streamlined hierarchical DAG processes.
- Engineered YAML-powered template engine for intricate UI rendering, supporting multi-level logic conditions, validations based on input from.
- Tech Stack: Java, MySQL, AWS

Software Development Intern   *Sep 2021 - Oct 2021, Feb 2022 - Mar 2022*
Hevo Data, Bangalore

- Added support for 'wal2json' output plugin for postgres logical replication.
- Reduced WAL processing time taken by the platform, by **60%**.
- Implemented OAuth 2.0 feature for accessing protected Rest APIs
- Ensured stability by benchmarks and unit tests. Tech Stack: Java

Software Development Intern   *Jun 2021 - Aug 2021*
MTX Global, Hydrabad

- Worked on curating ETL data pipeline from concept to proof of concept.
- Implemented on-demand data transformations using Apache Spark, and streaming the same using Apache Kafka onto Google Cloud Platform.
- Containerized individual components of the pipeline for better development and deployment. Solely configured and maintained pipeline on Google K8s Engine.
- Orchestrated data visualization service to configure overlayed charts.

Full Stack Developer Intern   *Apr 2021 - May 2021*
Triomics, Gurgaon

- Collaborated with the core founding team on the initial stages of the platform.
- Setup infrastructure for the applications, keeping scalability and security into account.
- Developed management dashboard service for micro and macro level user access across the apps.
- Customized D3 for visualization of data, fitting our use case.

SDE Intern   *Oct 2020 - Mar 2021*
Rephrase.ai, Bangalore

- Ensured stability of the product by integrating tests and error handling.
- Optimized uploading and validating data from user's end.
- Worked on graphene to optimize API performance.

SDE Intern   *Apr 2020 - Jun 2020*
Powerplay, Bangalore

- Implemented core features and structure from concept through deployment.
- Introduced REST API', server-side pagination and JWT based authentication system.
- Collaborated with product team members to implement new feature developments.

Education

Chemical, B. Tech.   *July 2018 - May 2022*
Indian Institute of Technology, Roorkee