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Software Consultant	Sahaj.ai	March 2021 – Present
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- Developed a data platform to deliver audience and frame insights, optimizing out-of-home advertisement campaigns.
- Built ETL pipelines to process TBs of data, ensuring timely insights for ad campaign optimization.
- Reduced Spark job runtimes by 50% through optimization techniques, including adjusting shuffle partitions, resulting in faster data processing.
- Lowered S3 storage costs by 60% by refining S3 data lifecycle policies, leading to more cost-effective data management.
- Developed a user-friendly interface for creating behavior, home, and work-based audiences, resulting in a 70% increase in audience creation and reducing turnaround time by allowing users to self-serve without support intervention.

- Developed APIs for a platform to manage and set pricing for Cummins products, significantly reducing the pricing update process from one day to near real-time, ensuring faster reflections in the consumer-facing system.
- Configured CI/CD pipelines with Jenkins and GitLab to accelerate deployment and enhance process efficiency.

- Enhanced the user interface by replacing a comma-separated text box with a Handsontable JS spreadsheet interface for data entry. This change allowed users to update data directly, reducing errors and speeding up the process, eliminating the need for external CSV editing.
- Developed and executed automated software test scripts to detect and address software issues.

- Languages: Java, Python, Scala
- Databases: Postgress, MySQL
- Tools/Frameworks:: Apache Airflow, Apache Spark, Spring Boot, Docker, Terraform, Gitlab CI
- Cloud Technologies: AWS - S3, EMR, ECS, ECR, Lambda, RDS
- Others: REST APIs, TDD, SOLID, Distributed System, Design Principles

- Received multiple commendations from team members for assisting with projects, building useful tools, and consistently going above and beyond at Sahaj.ai
- Completed Google Summer of Code in 2017 by working on Teammates project by the National University of Singapore.
- Recipient of the Star Performer Award for delivering the Best Project at Tata Consultancy Services.
- Over 20+ people have used Finger Detection and Tracking project in their research work and over 50,000+ people have cloned this project on Github.

