CASE STUDY

SQUARESHIFT

Elasticsearch optimization for a leading Human Resources SaaS Platform to improve data-driven decision-making

CLIENT

The client is a cloud-based software program for human resources (HR) designed to simplify workforce management.

Its products are used to handle payroll, scheduling, employee onboarding, time tracking, learning, talent management, and performance evaluations.

TECHNOLOGY STACK

CUSTOMER SATISFACTION

With their newly acquired knowledge and skills, the client is primed to maximize the capabilities of Elasticsearch in its enterprise cloud applications. Through implementing best practices, enhancing performance, and utilizing advanced features, the client aims to offer superior search experiences, facilitate data-driven insights and thrive in today's dynamic business landscape

PROJECT CONTEXT

The client recognized the need to enhance its data analytics and search capabilities to better serve its diverse client base. As part of this initiative, they sought to leverage Elasticsearch to optimize search functionalities, improve data-driven decision-making, and elevate user experiences within their suite of enterprise applications.

CUSTOMISED TRAINING SESSIONS

- We provided a comprehensive overview of Information Lifecycle Management (ILM)
- Leveraging SquareShift's expertise, we shared best practices for implementing ILM strategies
- We delved into sharding strategies determining the appropriate number of shards based on data volume, query patterns, and hardware specifications.
- Through comparative analysis, we evaluated various ILM approaches, helping the client identify the most suitable solution for their enterprise applications.
- Exploring the concept of data streams, we showcased how the client could leverage this feature to ingest, process, and analyze continuous streams of data in real-time.
- API Keys, API Key Impersonation and best practices in AWS.
- Our training covered index template creation, allowing the client to define default settings and mappings for new indices, ensuring consistency and efficiency.
- We provided guidance on using transforms to preprocess and transform data for analytics and reporting purposes, enhancing data quality and usability.
- Provided insights into organizing and segregating Kibana visualizations, dashboards, and saved objects using spaces for improved collaboration and access control.
- We provided expertise in sizing Elasticsearch clusters based on workload requirements, resource constraints, and anticipated growth projections.