Arjun V
Solution Engineer

arjunkarekar1002@gmail.com
Mobile: +91-6366005540
Arjun V Karekar
Arjunkarekar-07

EDUCATION

Jawaharlal Nehru National College of Enginnering, Shimoga, Karnataka(8.0 CGPA)
B.E *2019-2023*

TECHNICAL SKILLS

Programming Languages : Python, JavaScript, C++, Bash Scripting.

Web Development : Typescript, Html5, Css3, Bootstrap, Express.js.

Database : Clickhouse, MySql, ElasticSearch, MongoDb.

Version Control : Git , GitHub.

Monitoring Tools : Kibana, Grafana.

Containerization/ CI/CD : Ansible, Docker, Kubernetes, Apache Kakfa, Logstash.

Operating Systems : Linux, Windows Command Line.

Cloud Services : Amazon AWS(ec2,ecs).

EXPERIENCE

Vunet Systems — Bengaluru, Karnataka (On Site)
Solution Engineer — *June 2023 - Present*

- Leverage proficiency in Python, Javascript, ELK Stack, Kubernetes, docker, Kubernetes, Apache Kafka and Linux.
- Implement proactive alerts and optimize system performance.
- Implemented Kafka streaming pipelines, write logic to parse and transform raw logs into meaningful data and Enrich the logs using Java Script, Elasticsearch, Kafka, logstatsh, Kafka sink connectors.
- Implemented Ansible and bash scripts for automation, monitoring, and task optimization, including restarting Kafka pipelines and user impact alerts.
- Designed and implemented innovative dashboard solutions that significantly reduced downtime for banking operations.
- Demonstrated expertise in understanding Infrastructure of clients and crafting functional workflows that streamlined processes and improved efficiency for banking institutions.
- Designed impactful data visualization dashboards using Kibana and Grafana, contributing to the Customer Success Group
- Bring more insights for better visualization using Python, CSS, HTML, Javascript, Bootstrap.

PROJECTS

Centralized Log Management System with Custom Dashboards

- Develop a centralized log management system acrross various clients such as banks, that aggregates logs from various services and applications within an organization's infrastructure
- Use technologies such as Elasticsearch and Logstash for log ingestion, parsing, and storage.
- Design custom dashboards using Kibana to visualize log data and monitor system health, performance, and security metrics in real-time.

- Implement features such as log filtering, search capabilities, and alerting based on predefined thresholds
- Technologies Used: Elasticsearch, Logstash, Kibana, Python (for log parsing scripts), Bash Scripting (for automation), Docker (for containerization), Kubernetes (for orchestration).
- Key Features: Centralized log storage and indexing, real-time log visualization with customizable dashboards, log parsing and enrichment, search and filtering capabilities, automated log ingestion and retention policies, integration with monitoring and alerting systems

Application Performance Monitoring Dashboard

- Build an application performance monitoring (APM) dashboard that provides insights into the performance and health of critical applications and services. Utilize tools such as Grafana for visualization and monitoring. for Clickhouse/Elasticsearch for metric collection, and OpenTelemetry for distributed tracing.
- Design custom dashboards with Grafana to display key performance indicators (KPIs), latency metrics, error rates, and resource utilization. Implement alerting mechanisms to notify stakeholders of performance anomalies or service disruptions.
- Technologies Used: Grafana, Python (for data collection agents), Docker (for containerization), Kubernetes (for orchestration), JavaScript (for dashboard interactivity).
- Key Features: Real-time monitoring of application performance metrics, distributed tracing for identifying latency bottlenecks, visualization of service dependencies and request flows, customizable dashboards for different stakeholders

Driver Drowsiness and Yawn Detection using AIML

- Engineered a drowsiness detection system using Python libraries (Dlib, OpenCV, Matplotlib) and CNN algorithms.
- Implemented face extraction with Dlib to accommodate various driver conditions.
- Developed thresholds based on the eye aspect ratio to accurately detect and alert drivers of varying drowsiness levels.
- Implemented the Dlib module to efficiently extract the facial region of the driver, ensuring robust detection even when the driver wears eyeglasses, masks, etc.