Shreyas M Kaushik

shreyasy2k.github.io | shreyasmk.mathur@gmail.com | +91 8867229568 | Github | Linkedin

EXPERIENCE

IHX | SOFTWARE ENGINEER
Aug 2022 – Present

- Led the development of customized Python packages for seamless access to S3 and SQS resources, streamlining data processing workflows.
- Created Quality Control (QC) Screens for enhancing data accuracy and presentation of ML model outputs. Utilized React, Node.js, and MongoDB for effective data management and display.
- Architected and implemented robust APIs, employing modern web technologies and containerization for scalable and efficient solutions.
- Exposed Pytesseract OCR via AWS Lambda, improving scaling and response times. Integrated with AWS API Gateway for enhanced monitoring and analysis and ease of access.
- Ensured comprehensive observability across projects by implementing well-structured logging and integrating with Promtail, Loki and Grafana.
- Implemented centralized configuration management using the 'Apollo' project base on Apache ZooKeeper.

NULENTA PVT. LTD | SOFTWARE ENGINEERING INTERN
Aug 2021 – Apr 2022 | Remote

- Developed their core talent sourcing product Pro10X, which is a chrome extension used to source high quality talents.

PROJECTS

DOCUMENT CLASSIFIER | NODEJS, MONGODB, AWS EKS, S3
July 2023

- Developed a Node.js API layer to provide clients seamless access to Document Classification (DC) models
- Integrated AWS API Gateway for enhanced monitoring and analysis of API usage

KEYCLOAK AUTHENTICATION AND LAMBDA AUTHORIZER | AWS LAMBDA, API GATEWAY
May 2023

- Implemented Keycloak authentication for all applications, ensuring robust access control
- Designed Lambda authorizer and public key verification mechanism to validate access tokens efficiently
- Streamlined development processes, allowing programmers to focus on functionality while maintaining stringent security measures

DISCHARGE SUMMARY DIGITIZER API | PYTHON, FASTAPI, S3, SQS, MONGODB
Apr 2023

- Developed end-to-end discharge summary classification, and extraction using Python FastAPI
- Implemented asynchronous processing using SQS

SKILLS

PROGRAMMING
Javascript • Python • Java (Android)

WEB TECHNOLOGIES
Node.js • HTML/CSS • React.js • EJS

INFRASTRUCTURE AS CODE
Docker Compose • Kubernetes YAML

VCS
Git

CLOUD SERVICES
AWS EC2 • Elastic Beanstalk • AWS S3
Heroku • GCP • Azure App Service

CONTAINERIZATION & ORCHESTRATION
Docker • Kubernetes • Amazon EKS
AWS Fargate • Amazon ECS

OBSERVABILITY
Grafana • Promtail • Loki

AUTHENTICATION
Keycloak • AWS Cognito • AWS API Gateway

DATABASES
MongoDB • PostgreSQL • MySQL

VERSION CONTROL
Git

CI/CD
GitHub Actions

ACCOMPLISHMENTS

2019: Runner up - inGenius @ PES University , Bengaluru
- Developed a voice controlled web-builder using VanillaJS,HTMl and CSS

2020: Top 20 in HackElite by Linux Campus Club, SJCE - Mysore
- Developed a mask detection chrome extension

CERTIFICATIONS

- Architecting with Compute Engine
- Build Your First Android App
- The Modern Javascript Bootcamp