Shreyas M Kaushik

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

EXPERIENCE

IHX | Software Engineer
Aug 2022 – Present
- Implemented centralized configuration management using the 'Apollo' project based on Apache ZooKeeper.
- 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 and use feedback for model retraining.
- 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.

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.

SAHAPAATHI | NodeJS, MongoDB, Socket.io, ACE Editor, JDoodle
Apr 2022
- A collaborative code editor and compiler with A.I pair programmer that supported audio calling using web sockets.
- The compiler supported code execution of over 60 languages.

EDUCATION

SAPTHAGIRI COLLEGE OF ENGINEERING
Bachelor of Engineering in Information Science
2018 - 2022 | Bangalore, IN
CGPA: 8.5

HKS PRE-UNIVERSITY
PCMC
2016 - 2018 | Hassan, IN
Percentage: 89

VIJAYA HIGH SCHOOL
High School
2015 - 2016 | Hassan, IN
Percentage: 94

SKILLS

PROGRAMMING
Javascript • Python • Java (Android)

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

INFRASTRUCTURE AS CODE
Docker Compose • Kubernetes YAML

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

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

OBSERVABILITY
Grafana • Promtail • Loki

AUTHENTICATION
Keycloak • API Gateway • Cognito

DATABASES
MongoDB • PostgreSQL • MySQL

VERSION CONTROL
Git

CI/CD
GitHub Actions

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