

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

- API to provide clients seamless and secured access to privately served Document Classification (DC) models.
- Integrated AWS API Gateway for enhanced monitoring and analysis of API usage.

KEYCLOAK AND LAMBDA AUTHENTICATION | AWS LAMBDA, API GATEWAY

- Keycloak authentication for all applications, ensuring robust access control.
- Implemented using Lambda authorizer and public key verification mechanism to validate access tokens efficiently, thereby reducing additional load on the keycloak instance.
- Streamlined development processes, allowing programmers to focus on functionality while maintaining stringent security measures.

DISCHARGE SUMMARY DIGITIZER | FASTAPI, S3, SQS, MONGODB

- An end-to-end API for discharge summary classification, and extraction using Python FastAPI.
- Designed for asynchronous processing using SQS.

SAHAPAATHI | NODEJS, MONGODB, SOCKET.IO, ACE EDITOR, JDoodle

- 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

ROUTING & WEB SERVERS

Nginx • ALB • NLB

CI/CD & VCS

GitHub Actions • Git

CERTIFICATIONS

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