

Akshay Shegaonkar

shegaonkar.akshay2@gmail.com | +91-9595342495 | linkedin.com/in/akkisdiary

Skills

Languages: Python, JavaScript, TypeScript, SQL, NoSQL, Bash Scripting

Technologies: Flask, React, AWS, Docker, Kubernetes, Selenium, Git, Terraform, Linux

Other: Software Requirements Engineering, Test-Driven Development (TDD), Continuous Integration / Delivery (CI/CD)

Experience

Wiser Solutions, Inc. – Remote

Software Engineer, Data Platform

Jan 2024 – Present

- Built and maintained a mission-critical data extraction platform that delivers e-commerce data to Fortune 500 companies enabling clients to make informed business decisions
- Migrated legacy extraction platform to a distributed and scalable cloud-native architecture to AWS EKS, increasing capacity from 50M to **200M+ daily requests**
- Upgrading platform analytics to capture granular metrics by leveraging **Prometheus and Grafana**, enabling faster issue diagnosis and resolution across the extraction pipeline
- Built concurrent data pipeline using Python and JSON schema validation, ensuring high-quality data transformation and delivery to **Kafka** queues
- Optimized telemetry data by filtering logs at source and implementing Prometheus recording rules, reducing annual costs by **\$90K**
- Created **thread-safe** component to capture analytics data from various disconnected parts of the application without affecting performance
- Diagnosed and resolved technical issues by troubleshooting complex microservices-based polyglot system, ensuring the platform met availability and performance SLA commitments
- Supported migration to Coralogix by creating Ansible jobs for installing telemetry agents and implementing data filtering solutions using Opentelemetry rules ensuring a seamless migration
- Optimized CI pipelines by implementing Github Actions caching solutions and test suite mocks, reducing run time from **12 to 5 minutes** (58% improvement)
- Enhanced API performance by implementing caching and eliminating redundant API calls, reducing response time by 40%

Associate Engineer, Web Scraping

July 2021 – Dec 2023

- Develop 50+ web scraping bots using Python capable of providing location-specific information, benefiting **32+ client** catalogs
- Designed 10+ algorithms to mimic browser fingerprints and solve security challenges, improving success rates from **10% to 95%**
- Engineered a reusable framework to generate images from HTML documents reducing dependency on expensive Selenium infrastructure

Mind Code Systems – Pune, Maharashtra

Python Trainee, Web Development

Aug 2020 - Feb 2021

- Built full-stack document management POC by utilizing Python, Flask frameworks (Blueprints, SQLAlchemy, Security, Templates), and PostgreSQL, delivering secure CRUD operations with role-based access control
- Created an intuitive file organization system by implementing an object-oriented hierarchy, replicating File Explorer functionality for improved user experience
- Developed RESTful APIs for automated grammar correction using ML models

Projects

Portfolio Allocation

github.com/akkisdiary/portfolio-allocation

- Created interactive SPA by developing Python/Flask backend and TypeScript/React frontend, enabling users to visualize equity allocations by sector, country, and currency with live global market stock prices

Education

DY Patil Institute of Engineering – BE in Computer Science

June 2020