

# Akshay Shegaonkar

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## Skills

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**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

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**Software Engineer**, Wiser Solutions, Inc. – Remote

July 2021 – 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, scalable, and resilient cloud-native architecture to AWS EKS capable of handling 200M+ daily requests
- Spearheaded upgrading the platform's monitoring system to provide granular details at each leg of the extraction process helping the team quickly pinpoint and diagnose production issues
- Created data pipeline to transform, validate, and push extraction data to Kafka queues ensuring high-quality data
- Troubleshoot, debug and resolve technical issues in a complex microservices-based polyglot system ensuring the platform meets availability and performance SLA commitments
- Consolidated multiple sub-platform into a singular next-gen platform. Developed multiple features and API endpoints
- Develop 50+ Web Scraping bots & automated scripts using Python, capable of providing location-specific information
- Improved API response time by 40% and 5% cost savings by designing optimizations and innovative solutions in the extraction algorithm
- Designed 10+ techniques to bypass bot detection, improving the success rate by at least 90% and reducing dependency on expensive resources
- Supported migrating the platform's monitoring and observability tools to Coralogix by creating ansible jobs to install telemetry agents and implemented solutions to filter unwanted data
- Saved \$90K per year by optimizing and reducing redundant telemetry data exceeding expectations
- Performed RnD spikes, advised solutions, created user stories, implemented features
- Create and fix CI/CD pipelines for multiple services
- Review PRs and ensure coding standards
- Identify and fix issues within the existing codebase
- Created thread-safe component to capture analytics data in different parts of the application

**Python Trainee**, Mind Code Systems – Pune, Maharashtra

Aug 2020 - Feb 2021

- Developed a full-stack proof-of-concept document management web application using Python, Flask, and MySQL, supporting full CRUD operations
- Designed and implemented an object-oriented file hierarchy system replicating File Explorer functionalities for improved data management
- Collaborated on deploying an ML model on Amazon EC2 and built RESTful APIs for automated grammar correction
- Established a secure user authentication system with role-based access control to enhance application security

## Projects

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### Portfolio Allocation

[github.com/akkisdiary/portfolio-allocation](https://github.com/akkisdiary/portfolio-allocation)

- A SPA where users can visualize their Equity Allocation by Sector, Country, Currency, etc.
- Search and add stock tickers from global markets with their live prices
- Tech-Stack: Python, Flask, TypeScript, React JS

## Education

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DY Patil Institute of Engineering – BE in Computer Science

June 2020