

Aditya Kumar

SKILLS

C# .NET	Java
Python	Golang
Kubernetes	Docker
MongoDB	MySQL

EDUCATION

B. Tech. [Computer Science & Engineering],
Kalinga Institute of Industrial
Technology, 2016 – 2020

CONTACT



(+91)9348286941



[/aditya109](#)



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EXPERIENCE

Gravity iLabs, Bangalore, India

August, '20 - Present

Associate Software Developer

- Built *RuleEngine* for the company's core product *StrategyDotZero*, to serve business rule configurations for the product based on the different clients in .NET Core.
- Part of the team migrating the product into a microservice(.NET Core) from its current monolithic architecture (.NET MVC).
- Worked with the team to refactor 3 core modules and rebuilt the codebase according to defined company guidelines, aimed towards easier code maintenance.
- Deployed the decoupled modules as a microservice in an Azure Kubernetes Cluster, migrating it from its existing monolithic model.
- Implemented unit testing in the CI pipeline for the decoupled modules.



Keywords: C# .NET Core, Azure Kubernetes Cluster, Unit Testing, microservices.

Mayadata Inc., Bangalore, India

July' 19 – July'20

Software Engineering Intern

- Created and maintained the product showcase website for CNCF Open-Source Sandbox Project '*Litmus*'.
- Implemented the frontend in ReactJS and wrote backend APIs in Golang for rendering frontend, running analytics, and feedback control.
- Implemented CI in Travis and deployed the application on GKE.

Result: Increased the open-source contribution by 137% in 8 months.  

Keywords: ReactJS, Golang, Travis, GKE

PROJECTS

bank-reconciliation-statement-validator 

- Implemented a ReactJS/Spring-boot tool for LIC's CRM Department for cross-checking payment transactions by the bank of policyholders for redundant transactions and generate reports.
Result: Implemented hashing and multithreading on backend which reduced drastically reduced time to 90.6 % of prior runtime of legacy system in place.

web-crawler 

- Built a high performance, shared memory algorithm to web scrape data for creation of datasets for running sentiment analysis in Python and PostgreSQL.
Result: Used asynchronous framework to solve the problem and helped the client to further reduce the time of processing.

distributed-computation-with-gRPC-and-rest 

- Implemented gRPC Client in Spring Boot REST server who has deadline-foot-printing with capability to up-scale or down-scale gRPC workers.

Keywords: Spring Boot, Maven, gRPC, Multithreading, Java, Python

upgrade-controller 

- A Python-framework for pushing smooth upgrades for an application being hosted in GitHub as a cron-job.

Keywords: Python, cron-job

PUBLICATIONS

Abstractive Text Summarization and Unsupervised Text Classifier (*Springer ICMLIP '19*)

Published a research paper in Springer with regards for designing an algorithm to summarize a piece of text and summarize into a meaningful summary of few lines, which is within logically acceptable limits along with its genre. 