Aditya Kumar

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WORK EXPERIENCE

Furlenco, *Bangalore, India*   *December, '22 - Present*

Senior Software Engineer

- Developed a resilient event-driven service in Golang, utilizing PostgreSQL and Kafka, to integrate with third-party vendors like MoEngage and Google Analytics. Achieved accurate state transition management and a 137% increase in open-source contributions.
- Rebuilt the application orchestration microservice in Golang, implementing concurrency and distributed tracing, resulting in a 63% customer adoption rate improvement and an 82% reduction in infrastructural costs. Introduced unit testing-driven development for efficient debugging and improved tech support independence.
- Implemented a Golang-based cart management service, integrating Apache Kafka for user journey analysis, leading to a 37% improvement in the user acquisition funnel from consideration to conversion.
- Constructed a dynamic listing platform using Golang and Mongo DB Atlas search, consolidating microservice data elements for product rendering. Implemented Kafka for automatic data refresh, ensuring a seamless synchronization with business-dependent services.
- Led a software engineering team, implementing changes in development workflows, creating technical specifications, and establishing rigorous quality standards through the introduction of unit tests and design documents.

Keywords: *Golang, Apache Kafka, PostgreSQL, MongoDB, AWS, CircleCI, Kubernetes*.

Exotel Techcom, *Bangalore, India*   *February, '22 – November, '22*

Member of Technical Staff - I

- Developed a robust load-testing framework to simulate various production scenarios, aiding in capacity estimation for the existing system.
- Implemented a microservices architecture for a monolithic service, introducing containerization and CI/CD to enhance deployment efficiency. Resulted in scaling the service from 25M to 108M requests per day.
- Integrated Istio service mesh for traffic management, circuit breaking, and fault injection, enhancing system confidence. Implemented tenant-based rate limiting for improved control and stability.

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

Gravity iLabs, *Bangalore, India*   *October, '20 – February, '22*

Associate Software Developer

- Developed a rule engine in .NET Core for core project, facilitating dynamic business rule configurations for diverse clients. Contributed to the migration of the product from a monolithic architecture to a microservices model in .NET Core/Go, refactoring and rebuilding three core modules for improved code maintenance.
- Successfully deployed the decoupled modules as a microservice on an Azure Kubernetes Cluster, incorporating unit testing into the CI pipeline for enhanced reliability.

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

Mayadata Inc., *Bangalore, India*   *July, '19 – July, '20*

Software Engineering Intern (full-time)

- Developed and managed the product showcase website for CNCF Open-Source Sandbox Project 'Litmus,' utilizing ReactJS for the frontend and Golang for backend APIs, including analytics and feedback control. Implemented continuous integration in Travis and deployed the application on Google Kubernetes Engine (GKE). Achieved a remarkable 137% increase in open-source contributions within 8 months as a result.

Keywords: *ReactJS, Golang, Travis, GKE, Kubernetes*.

SKILLS

Golang	**Python**
Kafka	**Aerospike**
MySQL	**PostgreSQL**
MongoDB	
CircleCI	**Jenkins**
Kubernetes	
AWS	

EDUCATION

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

CERTIFICATIONS

Certified Kubernetes Administrator (The Linux Foundation) *Valid '21- '24 (Validate)*

PUBLICATIONS

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