

Athavan Kanapuli

Senior Software Engineer - Asynchronous Communications

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Profile

Forward-thinking Technical fellow with 8 years of experience in Reliability engineering, Infra tooling, Kubernetes and high-performance Backend systems. Currently leading the team for Asynchronous cloud communications at Hellofresh and working across the technologies from kafka to Rabbitmq, platform tools to backend services, APIs and databases. [Open source enthusiast](#), Linuxian, Kafka mechanic.

Experience

Hellofresh SE, Berlin

Oct 2020 – Present

Senior Software Engineer

- Leading the implementation of a comprehensive initiative across the company to rebrand Kafka topics for enhanced governance, resulting in a notable 75% improvement in data flow visibility.
- Managed the creation of a central schema registry service serving as a governance entity for asynchronous communication schemas.
- Responsible for maintaining Go-based Kafka and RabbitMQ libraries.
- Acted as Hiring manager to bring top-tier software engineer talent into the business.
- Introduced Apache MirrorMaker2 to the organisation and developed custom tooling around it to rename Kafka topics according to Hellofresh needs.
- Drafted an internal Request for Comments (RFC) proposing the implementation of Personally Identifiable Information (PII) Tagging within data schemas utilized for asynchronous communications.

Exotel Techcom Pvt Ltd, Bangalore

Feb 2018 – Sep 2020

Site Reliability & Software Engineer - Platform

- Orchestrated the introduction and architecture of Kubernetes, facilitating the smooth migration of EC2-based cloud workloads to Kubernetes pods, thereby reducing AWS costs by 40%.
- Spearheaded the construction of a robust CI/CD pipeline utilizing Jenkins and Argo, aligning seamlessly with the Kubernetes paradigm which resulted in faster shipping of changes.
- Assumed a pivotal role in maintaining and enhancing cloud security measures. Awarded by the CTO as Security Ninja at Exotel.
- Engineered a metrics pipeline to systematically collect data from cloud workloads, furnishing actionable insights into the overall health of Exotel services.
- Hired and mentored engineering talent.
- Implemented automated telephone server installations through Ansible, significantly slashing the installation timeframe from one week to just a few hours.
- Developed a microservice designed to automatically recover critical service failures in a pre-Kubernetes environment.

Hirecraft Softwares Private Ltd, Bangalore

Feb 2015 – Feb 2018

Software Engineer - Backend

- Implemented a side project in Golang that enables the seamless Excel export of millions of business records with a single API click. This feature eventually became a highly sought-after addition to the Hirecraft web application.
- Created a backend web API server with a well-structured n-tier architecture, utilizing .NET Web APIs, RabbitMQ, Redis, Elasticsearch and MySQL.

Universal Telecom Private Limited, Chennai

Jan 2014 – Dec 2014

Field Engineer

- Employed in the telecommunications tower sector to implement Vodafone's 3G technology, involving the installation of equipment and the commissioning of devices with assigned IP addresses.

Education

Sri Sairam Engineering College *Bachelor of Engineering - Electronics & Communication — GPA (7.6) — 2013*

Skills

- Go
- Kotlin
- Kafka
- Rabbitmq
- Rust
- Kubernetes

Quick Profile



(a) Github