

KADHIRESH GAJENDIRAN

Contact Information:

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Professional Summary:

Highly skilled Senior Software Engineer and Technical Lead with around 12 years of experience in cloud-native solutions, distributed systems, and microservices architecture. Proficient in Kubernetes, DevOps automation, API development, and CI/CD pipelines. Demonstrated success in building scalable solutions, improving system performance, and mentoring engineering teams. Seeking a challenging role to design and deliver highly reliable, cost-efficient solutions that align with business objectives.

Technical Skills:

- **Programming Languages:** Python, Go, Java, J2EE
- **Web Frameworks:** Flask, FastApi, Django, Fast-API, Spring, Spring Boot, Spring Core, Spring MVC, Spring AOP
- **ORM Frameworks:** Hibernate
- **Databases & Search Servers:** MongoDB, MongoDB-Atlas, HBase, Elastic Search, Apache Solr, MySQL
- **Build-Tools :** Poetry, Maven, Gradle
- **Container orchestration:** Kubernetes
- **Cloud:** AWS, GCP
- **Monitoring & Quality Tools:** Datadog, ELK, SonarQube, Prometheus, vectorAgent
- **Web Servers & Containers:** Nginx, uWSGI, Tomcat, Docker
- **Message Queue:** Apache Kafka, RabbitMQ
- **IoT Streaming:** MQTT, VerneMQ, Mosquitto
- **CI/CD:** Jenkins, GithubActions
- **Version Control & Project Management Tools:** GitHub, Jira, Confluence
- **CNCF Tools :** ClusterAPI, KubeVela, Cilium, Istio, CertManager, ESO, Velero, Otel

Professional Experience:

Comcast 3 July 2023 – Present

Development Engineer-4 | CNAP

- Designed and deployed a highly scalable microservices ecosystem using Kubernetes, Helm, and ISTIO to ensure secure service mesh communication and automated failovers.
- Architected multi-region Kubernetes clusters with KubeVela and ClusterAPI pipelines, achieving 99.99% availability for mission-critical services.
- Instrumented Kubernetes platform with O11y Tools like Prometheus, Vector, OTEL, Grafana.
- Containerized microservices and managed deployments using Docker and Kubernetes.
- Wrote Helm scripts to deploy Docker images into Kubernetes clusters.

Deel Eor Pvt Ltd 23 December 2021 - 30 June 2023

Mindlogic (Acquired by Deel) 14 April 2018 - 23 December 2021

Lead Software Engineer | Yard Management System

- Built and designed event-driven systems.
 - Designed topic VerneMQ and created MQTT microservices to handle IoT data.
 - Integrated unit and integration test cases with SonarQube.
 - Designed and developed API search index and multi-tenant MongoDB schema.
 - Designed and developed secure REST-API.
 - Implemented Kafka topics, partitions, and message keys.
- Hands-on experience with Jenkins pipeline setup and management.

Jean Martin Inc Software Engineer | Jabord

2nd September 2015 - 26 March 2018

- Created core and design schemas to index job and jobseeker contents in Solr.
- Developed RESTful API services for general search and dynamic filters.
- Implemented OAuth features for third-party access to search services.
- Monitored Solr server and managed upgrades.

BamBeeQ Solutions Private Limited System Analyst - Java | Gooru

(A Search Engine for Learning) 6 February 2013 - 24 August 2015

- Supported various REST API calls and CRUD operations.
- Designed database changes and optimized SQL queries.
- Implemented dynamic filters and customized scoring for search relevancy.

Education:

- **Master of Computer Application:** VelTech Multitech Engineering College, 78%
 - **Bachelor of Computer Science:** Tirukoilur Arts & Science College, 67%
 - **Higher Secondary School:** Kabilar Government Higher Secondary School, 65%
 - **Xth:** St. Joseph Higher Secondary School, 74%
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Languages:

- Tamil
- English