

Aakash Kumar

Technology Architect (H1B VISA holder)

Experienced Technology Architect with a track record spanning 16 years, encompassing robust Java and Spring Boot development, REST API design, Event Driven Microservices, Kafka integrations, AWS Cloud infrastructure, and DevOps methodologies.



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github.com/aakashkumar1980

WORK EXPERIENCE

Technology Architect Infosys Limited

Achievements/Tasks

- **Cloud Infrastructure & Design Expertise:** Profound proficiency in designing, architecting, and establishing cloud infrastructures using Terraform and AWS services.
- **Software Architecture & Design Acumen:** Skilled in crafting scalable, resilient, and modular software solutions, microservices architecture, and best practices. Experienced in leading both conceptual and technical design phases, from ideation to detailed design documentation.
- **Performance Optimization & Scalability:** Demonstrated proficiency in leveraging tools such as JProfiler, Grafana, and AWS CloudWatch to enhance application performance. Expertise in architecting cloud-native, distributed solutions utilizing Elastic Load Balancing, Auto Scaling Groups, and AWS RDS Read Replicas to achieve seamless scalability, ensuring robust, high-availability and fault-tolerant environments without compromising on latency or throughput.
- **DevOps:** Expertise in integrating DevOps tools and practices, spanning Github, Jenkins, Nexus, Ansible, SonarQube and XLR, to streamline development and deployment processes, ensuring agility and consistency.
- **Containerization Competence:** Profound hands-on experience with leading containerization technologies including Docker, Kubernetes, and Openshift, optimizing for scalability and fault tolerance.
- **Advanced Microservices Implementation:** Renowned for architecting and implementing sophisticated event-driven microservices by adhering to recognized industry frameworks and patterns such as Domain-Driven Design, CQRS and SAGA Pattern. Utilizing Kafka for robust event messaging, Splunk for granular logging, and Dynatrace for holistic system monitoring.
- **System Integration & Interoperability:** Distinguished ability in designing integrative systems with a deep emphasis on interoperability, leveraging tools like Kafka, Spring Integration, and AWS Step Functions.
- **Holistic Application Security:** Proven track record in embedding multi-faceted security measures within applications, encompassing SAML, OAuth2, JWT Tokens, and the seamless integration with platforms like OKTA.

DOMAIN EXPERIENCE

Banking & Financial Services

Telematics

E-Commerce

TECHNOLOGY STACK

Cloud Infrastructure

AWS Services (IAM, VPC, EC2, S3, Route53, Lambda, CloudWatch, Elastic Load Balancer, Auto Scaling Group etc.); Terraform; Docker; Kubernetes; and Openshift.

Software Architecture & Design

Design Patterns (e.g., Business Delegate, Service Locator); Modeling (UML, ERD); Architectures (Microservices, Event-Driven); API Design (RESTful, GraphQL); Scalability (load balancing, partitioning, caching); Databases (Relational, NoSQL); Integration (Spring, AWS Step Functions).

Application Programming

React JS; Java 1.8 Streams & Collections, Spring Boot, Spring Reactive, Spring Data JPA, Spring Integration, MSSQL Server Stored Procedures.

Microservices

Spring Boot REST API; Kafka;

Application Security

SAML, AWS Directory Services; AWS Identity Management; AWS Cognito; OAuth2; JWT Tokens; and OKTA.

Application Logging & Monitoring

Splunk; Dynatrace;

CERTIFICATES

AWS Certified Solutions Architect Associate
(01/2021 - 01/2024)

https://www.youracclaim.com/badges/0efb08d5-45ed-4c81-ae7f-a01d860bc00f?source=linked_in_profile

HackerRank Certified REST API Developer
(08/2020 - Present)

https://www.hackerrank.com/certificates/c98ac3323a64?utm_medium=email&utm_source=mail_template_1393&utm_campaign=hrc_skills_certificate



EDUCATION

Bachelor's Degree: Electrical, Electronics and Communications Engineering

Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad

08/1997 - 06/2002

Aurangabad, Maharashtra, India



SKILLS

React JS

Java

Spring Boot

REST API

Microservices

Kafka

Splunk

Dynatrace

Docker

Kubernetes

Openshift

AWS Cloud

Terraform

Ansible

Jenkins

Nexus

XLR

OAuth

SAML

OKTA

Backend Developer

Software Architect



ORGANIZATIONS

Infosys Limited (08/2016 - Present)

Technology Architect

Trimble Mobility Solutions India Pvt. Ltd
(10/2011 - 08/2016)

Lead Software Engineer

BNP Paribas India Solutions Pvt. Ltd
(04/2009 - 10/2011)

Senior Software Engineer

Kpit Cummins Infosystems Limited
(12/2006 - 12/2008)

Software Engineer