

# 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.



aakash.kumar1980@yahoo.com

602-214-7468

Phoenix, USA

linkedin.com/in/aakash-kumar1980

github.com/aakashkumar1980



## WORK EXPERIENCE

### Technology Architect Infosys Limited

#### Achievements/Tasks

- ▶ **Software Architecture & Design Acumen:** Proficient in architecting scalable solutions, leading end-to-end design, and creating comprehensive architectural blueprints, system diagrams, and technical documentation.
- ▶ **Application Development:** Seasoned in React.js, I specialize in crafting responsive web interfaces. Additionally, my expertise extends to Java for robust backend development, complemented by proficiency in Spring Boot for web application, REST APIs creation.
- ▶ **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.
- ▶ **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.
- ▶ **Performance Optimization & Scalability:** Demonstrated proficiency in leveraging tools such as JProfiler, Dynatrace to enhance application performance.
- ▶ Proficient in designing cloud-native, distributed solutions with Elastic Load Balancing, Auto Scaling Groups, and AWS RDS Read Replicas for seamless scalability, ensuring high availability and fault tolerance.
- ▶ **Cloud Infrastructure & Design Expertise :** Profound proficiency in designing, architecting, and establishing cloud infrastructures using Terraform and AWS services.
- ▶ **Containerization Competence :** Profound hands-on experience with leading containerization technologies including Docker, Kubernetes, and Openshift, optimizing for scalability and fault tolerance.
- ▶ **DevOps:** Experience in integrating DevOps tools and practices, spanning Github, Jenkins, Nexus, Ansible, SonarQube and XLR, to streamline development and deployment processes, ensuring agility and consistency.

## 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.); Hashicorp 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; Hashicorp Vault; 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](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](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

Terraform

Ansible

Jenkins

Nexus

OAuth

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*