

Aakash Kumar

Technology Architect (H1B VISA holder)

Experienced in AWS Cloud, Spring Boot Micro-services, and DevOps practices, I bring a robust background in Java and Spring Boot development. My expertise lies in architecting, deploying, and optimizing scalable cloud-native solutions, ensuring high performance and resilience across diverse application settings.



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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



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