Arunkumar Dhanasekaran

Backend Engineer | Expert in Java & Microservices | AWS Certified Solutions Architect - Associate

⦿ Coimbatore, India
📞 +919894371188
@ arunkumar1826@gmail.com
in LinkedIn

Skills

Backend & Architecture

Java 8 - 21, Spring Boot, REST APIs, GraphQL, Microservices, Design Patterns, SOLID Principles, Event Driven Design, Hibernate

Cloud Platforms

Amazon Web Services, Google Cloud Platform

Containerization & Orchestration

Docker, Kubernetes

Messaging Systems

Kafka, RabbitMQ, ActiveMQ

Databases

MySQL, PostgreSQL, MongoDB, Oracle, Cassandra

Caching & Search

Redis, Memcached, Elasticsearch

Security

OAuth2, JWT, Encryption, OWASP Guidelines, GDPR readiness

DevOps & IaC

Jenkins, Bamboo, Terraform, CloudFormation, Ansible

Unit Testing Frameworks

JUnit 5, Mockito

Monitoring

ELK Stack, Prometheus, Grafana, Splunk, New Relic

Documentation

Architecture diagrams, Technical specs, System design documents, Swagger

Certifications

AWS Certified Solutions Architect — Associate

Amazon Web Services
Jul '25

Java Technical Lead with 13+ years of experience in developing scalable, high-performance applications using Java, Spring Boot, and Microservices architecture. Hands-on experience in deploying cloud-native applications on AWS services. Adept at containerization (Docker), orchestration (Kubernetes), and CI/CD implementation. AWS Certified Solutions Architect – Associate with a strong understanding of distributed systems and cloud design patterns.

Experience

Tech Mahindra Pvt Ltd — Mar '22 - Present
Java Technical Lead — Coimbatore, India

- Designed and implemented **end-to-end software solutions** covering backend, middleware, and integration layers, enabling seamless communication between 5+ telecom brands.
- Architected **RESTful APIs** and integrated **GraphQL** patterns for improved data flexibility and front-end consumption.
- Led **microservices-based architecture** redesign with **service discovery, fault tolerance**, and **load balancing** using Spring Cloud and Eureka.
- Recommended and implemented technology stacks aligned with business needs including **Java 17**, **Spring Boot 3**, **Docker**, and **Kubernetes**.
- Designed and deployed **cloud-native infrastructure** on **AWS** using EC2, S3, RDS, IAM, and auto-scaling groups.
- Applied **DevOps principles**: built automated **CI/CD pipelines** with Docker and Bamboo and incorporated **Infrastructure as Code** using CloudFormation and Terraform.
- Conducted **performance tuning**, query optimization, and introduced **Redis caching**, reducing latency by 30%.
- Ensured **secure development practices** with **JWT**, **OAuth2**, encryption standards, and integrated **vulnerability scanning** tools.
- Set up **monitoring and alerting** using **ELK Stack**, integrated **Grafana dashboards** for service health tracking.
- Championed **architecture reviews**, authored **design documentation**, and mentored developers on coding standards.

Robert Bosch Engineering and Business Solutions — May '18 - Mar '22
Java Specialist — Coimbatore, India

- Developed **event-driven services** using Kafka and RabbitMQ to support scalable transaction workflows.
- Containerized and deployed services on AWS ECS with **load-balanced microservices** ensuring high availability.
- Migrated legacy services and integrated **Cognito authentication**, optimizing identity and access management.
- Enhanced **resilience and observability** using **Prometheus** and custom metrics logging.
- Refactored service modules for cloud readiness and **GDPR compliance** by implementing secure data handling procedures.

Skava - An Infosys Company — Nov '15 - May '18
Sr. Java Developer / Lead — Coimbatore, India

- Built scalable **backend components** with **MongoDB** and **Spring Boot**, supporting global e-commerce platforms.
- Spearheaded implementation of **Elasticsearch** for real-time product search with advanced filters.
- Led **proof-of-concepts** for integrating emerging tools like GraphQL, validating technical feasibility and performance.

Mobius365 Data Services Pvt Ltd — Nov '12 - Nov '15
Java Developer — Coimbatore, India

- Developed automation tools for **data scraping**, reducing manual tasks by 80%
- Applied NLP models for **large-scale data classification** and **extraction**
- Implemented backend services using Spring MVC and deployed to Apache Tomcat

Education

Sri Ramakrishna Engineering College — Jun '08 - Apr '11
8.2 GPA — Master of Computer Applications

CBM College of Arts & Science — Jun '05 - Apr '08
77% — Bachelor of Science in Computer Science