Amit Kumar Upadhyay

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Professional Summary

Results-driven Technical Lead with 7+ years of experience designing, developing, and deploying cloud-native applications using microservices architecture. Proficient in Java, Spring Boot, and modernizing legacy systems into distributed microservices. Experienced in containerization using Docker and orchestration with Kubernetes. Skilled in implementing CI/CD pipelines, monitoring using ELK stack, and maintaining system observability. Strong leadership abilities with a track record of mentoring teams and delivering secure, scalable, and high-performance applications.

Professional Experience

Senior Project Engineer, Centre for Development of Advanced Computing (CDAC), Mumbai. *March 2018 – Present*

- Designed and developed enterprise-grade applications using Java, Spring Boot, and RESTful microservices.
- Led modernization of monolithic systems to microservices architecture deployed on Kubernetes.
- Containerized applications using Docker and managed deployments on Kubernetes clusters.
- Implemented CI/CD pipelines using Jenkins, Git, and integrated DevOps practices for faster delivery.
- Developed secure APIs with OAuth 2.0 and JWT authentication; ensured seamless third-party integrations.
- Enhanced monitoring and logging using ELK stack (Elasticsearch, Logstash, Kibana).
- Mentored junior developers, conducted code reviews, and improved overall code quality.
- Resolved production incidents, performed root cause analysis, and improved system observability.

Education

Bachelor of Engineering (B.E.), University of Pune   *2012 – 2016*
Aggregate: 70%

Technical Skills

- **Programming Languages:** Java, C++, Shell Scripting
- **Frameworks**
  Tools: Spring Boot, Spring Cloud, Spring Security, Hibernate, JPA, JUnit, Mockito
- **Microservices**
  APIs: RESTful APIs, Swagger, OpenAPI, Feign Clients
- **DevOps**
  CI/CD: Git, Jenkins, Docker, Kubernetes, Maven, Helm
- **Cloud**
  Monitoring: AWS (EC2, S3, RDS), ELK Stack
- **Messaging**
  Streaming: Kafka, RabbitMQ
- **Databases:** PostgreSQL, MySQL
- **Frontend:** ReactJS, jQuery

- **Security:** OAuth 2.0, JWT, HTTPS, Role-Based Access Control (RBAC)

Certifications

- Post Graduate Diploma in Advanced Computing – CDAC Mumbai