

Nithin A V

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Software Development Engineer with 5+ years of experience

Personal Summary:

Software Development Engineer with 5 years of experience designing, developing, and operating scalable, highly available, fault-tolerant distributed backend systems for high-traffic products. Strong expertise in Java, Spring Boot, microservices, AWS cloud services, and CI/CD automation. Solid foundation in Data Structures and Algorithms, Object-Oriented Design, System Design, and design patterns. Proven ability to own features end-to-end and collaborate across cross-functional teams.

Educational Qualification:

B.Tech - Computer Science and Engineering (2016-2020)

PES University, Bangalore

Technical Skills:

- **Programming Languages:** Core Java
- **Backend & Frameworks:** Spring Boot, Microservices, RESTful APIs
- **Databases:** MySQL, DynamoDB, Amazon Redshift
- **Cloud & DevOps:** AWS, CI/CD Pipelines, CloudWatch, Monitoring & Logging
- **Testing & Quality:** Unit Testing, Integration Testing
- **Core CS Fundamentals:** Data Structures & Algorithms, Object-Oriented Design, System Design, Design Patterns.
- **Developer Tools:** Git, Linux, IntelliJ IDEA, VS Code, Postman

Experience:

Tata Consultancy Services

Amazon

Nov 2023 –Present

Software Development Engineer:

- Designed, developed, and deployed backend microservices for Amazon Pay Later, supporting a large-scale customer base with low-latency requirements.
- Owned feature development end-to-end including requirement analysis, technical design, implementation, testing, deployment, and post-production monitoring.
- Refactored core data pipelines by migrating from DynamoDB to Amazon Redshift, improving data access performance by approximately 7%.
- Enhanced deployment reliability and release velocity by migrating services to HybridCD and FullCD pipelines.
- Implemented CloudAuth onboarding for critical services, improving authentication, authorization, and security compliance.
- Integrated Weblab experiments to enable controlled feature rollouts, A/B testing, and safe production experimentation.
- Built and maintained CI/CD pipelines, resolved deployment issues, and mitigated policy engine risks.
- Designed services with high availability and fault tolerance, and instrumented monitoring and centralized logging using AWS CloudWatch.
- Wrote unit and integration tests to ensure correctness, reliability, and regression safety of backend services.

Synechron Technologies Private Limited

Nov 2020 – Aug 2023

Software Engineer:

- Developed and enhanced banking switch systems and financial APIs in high-availability, transaction-intensive environments.
- Designed and implemented RESTful APIs using Spring Boot based on product and business requirements.
- Improved system scalability and performance by approximately 5% through performance tuning and architectural improvements.
- Built infrastructure and channel-specific components to support product enhancements across multiple platforms.
- Participated in Agile SDLC, including sprint planning, code reviews, testing, and production support.