

ASHWIN R

Technical Lead

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Dynamic Technical Lead with 12 years of experience driving innovation in software development. Expert in **Java**, **Python**, **Spring Boot**, and **AWS**, leveraging **CI/CD pipelines**, **microservices**, and **system design** to deliver scalable, secure solutions. Skilled in **Agile methodologies**, mentoring teams, and implementing **automation frameworks** to ensure high-quality deliverables. Adept at solving complex challenges, optimizing performance, and fostering a culture of continuous improvement in fast-paced environments.

SKILLS

- **Programming Languages:** Java (8, 17), Python 3, Go
 - **Frameworks:** Spring Boot, Spring Security, Spring Cloud, Resilience4j
 - **Cloud Technologies:** AWS (EC2, S3, KMS, DynamoDB, Lambda, CloudFormation, SQS, SNS, RDS), OpenShift, Kubernetes
 - **DevOps & CI/CD:** Jenkins, Docker, Terraform, Git, Maven
 - **System Design:** SAGA, Circuit Breaker, Factory, Singleton, Abstract Factory, SOLID Principles
 - **APIs & Messaging:** REST, gRPC, RabbitMQ, MQ Middleware (Pub/Sub)
 - **Tools & Methodologies:** Agile, Scrum, JUnit, Selenium, Cucumber, Jira, Confluence
 - **Networking:** iptables, firewall-d, pre-routing, post-routing
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EXPERIENCE

Hexaware Technologies, Chennai

Technical Lead

04/2024 – Present

- Upgraded microservices from Spring Boot 2.x to 3.x, reducing latency by 15% and enhancing scalability.
- Achieved PCI compliance by resolving 100% of vulnerabilities from GitHub scans, strengthening security posture.
- Designed and developed REST APIs for lodging systems, integrating third-party fax and mail libraries, processing 5,000+ daily transactions.

- Implemented AWS KMS for encryption, securing sensitive data across 3 applications with zero breaches.
- Optimized DynamoDB queries, reducing data retrieval time by 25% while ensuring data integrity.
- Idempotent payment processing using Redis-based locking.
- Retry mechanism and circuit breaker with Resilience4j.
- Designed and implemented RESTful APIs for payment initiation, verification, and status inquiry
- Integrated third-party payment gateway SDKs using OpenFeign clients
- Implemented transaction consistency using the Saga pattern
- Developed and deployed RESTful APIs to handle payment initiation, verification, and status inquiries.
- Integrated third-party payment gateway Software Development Kits (SDKs) utilizing OpenFeign clients.
- Ensured transaction consistency by implementing the Saga pattern.
- Deployed applications on OpenShift and Kubernetes, improving resource utilization by 30%.
- Automated batch processing with Spring Batch and S3, cutting processing time by 20% and saving 10 hours weekly.
- Mentored 8 junior developers, boosting team productivity by 30% through code reviews and Agile training.

Intelsat, Chennai

Senior Software Development Engineer

03/2022 – 04/2024

- Led feature grooming with High-Level (HLD) and Low-Level (LLD) designs, delivering 12+ features on PI commitments.
- Implemented gRPC for microservice communication, reducing inter-service latency by 40%.
- Developed RabbitMQ-based pub/sub queue services, enabling seamless communication for 15+ microservices.
- Managed a team of 6, resolving 95% of Jenkins pipeline issues within 4 hours, ensuring zero deployment delays.
- Built Go-based applications, improving system performance by 20% for high-traffic services.
- Enhanced networking expertise in iptables and firewall-d, securing 5+ production environments.
- Debugged and resolved critical production issues, reducing downtime by 50% across 3 services.
- Conducted knowledge transfer sessions, onboarding 10+ new joiners with 90% faster ramp-up.

Genesys Telecom Labs, Chennai

Senior Software Engineer

10/2017 – 03/2022

- Developed internal tools using Java (SWF workflows) and Python (Step Functions), automating 80% of manual processes.
- Scripted interactions with AWS services (SWF, EC2, S3, DynamoDB, CloudFormation), cutting deployment time by 15%.
- Experience in developing and deploying applications to AWS Cloud environment using JAVA and Spring Cloud Framework
- Experience in developing Rest API's(CURD Operations)
- Built and deployed REST APIs using Spring Cloud, supporting 10,000+ daily user requests.
- Configured CI/CD pipelines in Jenkins, reducing build times by 25% for 5+ projects.
- Participated in on-call rotations, resolving 90% of production outages within SLAs.
- Applied Java 8 features (Streams, Lambdas) and Spring Security to enhance code efficiency by 20%.
- Involved in on-call rotation to provide crucial support to internal and external teams during production outages

Cognizant Technology, Chennai

Associate Engineer

05/2016 – 10/2017

- Automated system integration testing with Selenium and Cucumber, achieving 85% test coverage for cloud applications.
- Developed 50+ test cases for unit, integration, and system testing, ensuring zero critical defects in production.
- Contributed to an automation framework, reducing regression testing time by 30%.
- Hands-on experience on system integration testing, including automation, of newly developed or enhanced applications
- Reviewed requirements and design artifacts, developing unit, integration and system test cases, ensuring extensive test coverage for our cloud application
- Played active role in translating business and functional requirements into concrete deliverables
- Contributed to the Automation development framework & end-end regression
- Writing E2E test scenarios in Selenium with Java using Cucumber- JVM hybrid framework
- Experience in front-end & backend testing
- Hands-on on some automation & CI/CD technologies (e.g UI, services, APIs, Jenkins, Cucumber, Git, JUnit, Jira, etc.)

Languages and Tools: Java, Maven, Postman, Test NG, Selenium, Rest API, Jenkins.

HCL Technologies

Lead Engineer, 07/2015 - 05/2016

- Hands-on experience on system integration testing, including automation, of newly developed or enhanced applications
- Reviewed requirements and design artifacts, developing unit, integration and system test cases, ensuring extensive test coverage for our cloud application
- Played active role in translating business and functional requirements into concrete deliverables.
- Contributed to the Automation development framework & end-end regression
- Experienced in mentoring junior Test engineers
- Writing E2E test scenarios in Selenium with Java using Cucumber- JVM hybrid framework
- Experience in front-end & backend testing
- Contributed in estimating, prioritizing, and planning testing activities
- Hands-on in automation & CI/CD technologies (e.g UI, services, APIs, Jenkins, Cucumber, Git, JUnit, Jira, etc.)

Languages and Tools: Java, Maven, Postman, Jenkins, TestNG, Selenium, Python, Rest API.

Elpis IT Solutions Pvt Ltd

Quality Engineer, 03/2013 - 07/2015

- Hands-on experience on system integration testing, including automation, of newly developed or enhanced applications
- Reviewed requirements and design artifacts, developing unit, integration and system test cases, ensuring extensive test coverage for our cloud application
- Played active role in translating business and functional requirements into concrete deliverables
- Contributed to the Automation development framework & end-end regression
- Writing E2E test scenarios in Selenium with Java using Cucumber- JVM hybrid framework
- Experience in front-end & backend testing
- Hands-on on some automation & CI/CD technologies (e.g UI, services, APIs, Jenkins, Cucumber, Git, JUnit, Jira, etc.)

Languages and Tools: Java, Maven, Postman, Test NG, Selenium, Rest API, Jenkins.

EDUCATION

Vellore Institute of Technology, Vellore

Masters in Software Engineering

03/2007 – 05/2012

CERTIFICATIONS

- **AWS Solutions Architect – Associate** (01/2025)
- **Oracle Certified Professional: Java SE Programmer** (06/2023)
- **AWS Cloud Practitioner** (05/2019)