KAYALVIZHI SHANMUGAM, ASM, AWS SAA, Java

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AWS CERTIFIED JAVA PROFESSIONAL | SENIOR TECHNICAL LEAD

CAREER SUMMARY

- Architect-level technologist with 16+ years of delivering scalable, enterprise-grade solutions that power innovation and measurable business impact across Banking, Insurance, Healthcare, Finance, and Retail domains. Adept at designing modern architectures, leading cross-functional teams, and driving end-to-end digital transformation. Passionate about helping organizations achieve strategic objectives through cloud-native platforms, DevOps automation, and intelligent system design.
- Architected 50+ high-performance microservices for Fortune 500 clients, enabling a 40% reduction in downtime and 30% boost in throughput, aligned with mission-critical business goals and also led 25+ full lifecycle software initiatives, ensuring on-time, within-budget delivery and maintaining 80%+ client satisfaction.
- Advanced Agile and DevOps capabilities, implementing secure, efficient CI/CD pipelines that improved team velocity by 35% and accelerated release cycles by 25%.
- Built and mentored high-performing engineering teams, onboarding 42+ professionals and cultivating a culture of innovation, ownership, and continuous improvement.

CERTIFICATIONS

- Sun Certified Java Professional
- J2EE Expert from NIIT Chennai
- Agile Scrum Master Certified
- AWS Solution Architect Associate

PROFESSIONAL EXPERIENCE

CONIZIONI PVT LTD., (Deputed to CAPGEMINI TECHNOLOGIES PVT LTD.,)   10/2024-12/2024

SENIOR TECHNICAL LEAD (Client: Microsoft)

- Spearheaded the end-to-end cloud transformation initiative for Microsoft's application portfolio, serving as a trusted advisor for both Azure infrastructure strategy and enterprise-grade Java modernization.
- Orchestrated migration readiness assessments for 7+ legacy applications, leveraging Azure Data Factory (ADF) interviews and technical deep-dives to drive rapid, risk-mitigated dispositioning.
- Optimized cloud observability and resilience, integrating AppDynamics, Splunk, and Azure Monitor to proactively detect performance degradation and drive a 30% reduction in incident resolution times.
- Evangelized DevOps and cloud-native practices, mentoring global teams on Terraform, IaC, secure CI/CD workflows, and modern Java design patterns, boosting developer productivity by 50%.

*Technologies***:** *Azure Cloud, AKS, ADF, ACR, Azure App Services, Azure Monitor, Java 11+, Spring Boot, Terraform, Azure DevOps, AppDynamics, Splunk, REST APIs, CI/CDTechnologies: Azure Cloud, Azure Data Factory (ADF), Azure Container Registry (ACR), Azure Kubernetes Service (AKS), AppDynamics, Splunk*

PHOTON INTERACTIVE PVT. LTD.,   09/2020-06/2024

TECHNICAL LEAD (Client: MedImpact HealthCare Systems Inc.)

- Engineered and deployed microservices-based architecture for critical healthcare workflows (prior authorization & appeals), ensuring high availability, modularity, and compliance.
- Spearheaded development of a custom Java-based Web Application Firewall (WAF), mitigating injection attacks and delivering an 80% improvement in application security posture.
- Optimized integration architecture, expanding onboarding support for 83% more vendor systems, directly contributing to a 21.2% increase in profit margins.
- Orchestrated end-to-end delivery across onshore-offshore teams, aligning DevOps pipelines, enforcing coding best practices, and ensuring 100% sprint delivery success rate.
- Enhanced system performance through tuning, caching, and resilient API design, boosting transaction throughput by 35% and reducing latency in production environments.

Technologies: *Java 8/17, PostgreSQL, Oracle 12c, Mongo DB, SOAP & Rest Webservices, Kafka, GIT/Stash, putty, Splunk, Eclipse, Spring Boot 3.0, OAuth 2.0, Microservices, Maven, Jenkins, Docker, FileNet, Azure Cloud, AKS, Angular 14x, React JS, python, SonarQube, SonarLint, Gravitee.io, Akamai*

PRINCIPAL SOFTWARE ENGINEER (Client: Fidelity Investments Inc.)
- Spearheaded modernization of legacy monolith systems into cloud-native microservices on AWS, improving scalability and reducing release cycles by 45% and also architected and developed a high-impact product from the ground up, customized for 28 vendors, resulting in a 50% reduction in onboarding time and increased integration speed.
- Collaborated with a cross-functional Agile team of 20+ engineers, delivering 4 enterprise-critical projects aligned with key financial services domains — trading, brokerage, healthcare, and wealth management.
- Integrated AWS-native and third-party observability tools such as CloudWatch, Datadog, and Splunk to establish real-time monitoring and alerting, resulting in a 40% reduction in Mean Time to Resolution (MTTR) and enhanced system reliability through proactive incident management.
- Led technical mentorship for junior developers, delivering hands-on coaching in AWS best practices, secure coding standards, CI/CD pipelines, and Agile methodologies; conducted in-depth code reviews that improved team delivery velocity and reduced defects by 30%.

Technologies: Java (8/11/17), Python, JavaScript, React.js, Node.js, Spring Boot, Jenkins, Docker, Kubernetes, uDeploy, Maven, Gitlab, AWS (Lambda, EC2, EKS, DynamoDB, CloudFormation), Apigee, Akamai, PostgreSQL, Oracle 12c, Apache Kafka, ActiveMQ, Datadog, Splunk, CloudWatch, Gremlin, Venafi, SonarQube, SonarLint, Cucumber, Jest, Mockito, Swagger, IntelliJ IDEA, Eclipse, Putty, Crucible

ALTEN CALSOFT LABS PVT. LTD. 01/2019-09/2019
SENIOR TECHNICAL LEAD: OFFSHORE (Client: Capella.edu and Strategic Education Inc)
- Led modernization of enterprise applications, converting legacy components into scalable Spring Boot microservices, improving deployment efficiency and maintainability and engineered secure, high-performance RESTful APIs using Spring Boot and Spring Cloud, facilitating robust service communication and enhancing system interoperability.
- Leveraged Neo4j to design dynamic graph-based data relationships, achieving 50% faster traversal for student-course mapping and enabling real-time analytics.
- Built a dynamic Single Page Application (SPA) using JavaScript, AJAX, Vue.js, and React.js for real-time order tracking and data visualization.

Technologies: Java 8, Spring Boot, Spring MVC, Spring Cloud, Microservices, RESTful APIs, Neo4j, Oracle 12c, Apache Kafka, Docker, Kubernetes, Tomcat 9, CI/CD Pipelines (GoCD, Jenkins), JUnit, SonarQube, GitLab, SourceTree, VersionOne, JavaScript, React.js, Vue.js, AJAX, HTML5, CSS3, Bootstrap, Maven, Jasmine, Apigee, Eclipse, Splunk, Agile Scrum.

Senior Associate | Cognizant Technology Solutions India Pvt. Ltd.	11/2015-07/2018
Lead Software Engineer | Collabera Technologies Pvt. Ltd.,	01/2014-07/2014
Lead Engineer| HCL Technologies Pvt. Ltd.,	11/2010-10/2012
Senior Developer | Esquire Systems	11/2007-09/2010
Software Engineer | ACE Infotech	06/2004-11/2007

TECHNICAL SKILLS

Programming Languages: Java, C,C++,Python
Frameworks & Libraries: Spring (Core, Boot, Batch, Cloud), Hibernate, Struts
Cloud Technologies: AWS (EC2, Lambda, DynamoDB, EKS), Azure (AKS, Azure DevOps),Spring Cloud and PCF
Web Development: : Angular, React.js, Node.js, HTML5, CSS3, JavaScript
Databases: PostgreSQL, MongoDB, Oracle, Neo4j
DevOps & CI/CD: Jenkins, Azure DevOps, GitLab CI/CD, Docker, Kubernetes
Messaging Systems: Kafka, RabbitMQ, ActiveMQ
Version Control: Git, SVN
Security & API Management: OAuth 2.0, JWT, Apigee, Gravitee.io, Akamai

EDUCATIONAL QUALIFICATION

- MCA from Bharathidasan University in 2004
- B.Sc. (Computer Science) from Madurai Kamaraj University in 2001