

Shashikant Kulkarni

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Summary

- AWS certified architect with years of experience in software architecture.
- Oracle certified enterprise architect.
- Significant experience with AWS, Bigdata technologies such as Cassandra, Spark, Kafka, etc.
- Experience in managing clients with a worldwide footprint.
- Practical AWS Cloud Architect with years of experience in architecture, design and development of large-scale multi-level, multi-account enterprise-level solutions that require complex architectural decisions.
- Experience in designing and deploying scalable, highly available, secured and fault tolerant systems on AWS.
- Accountable for the architecture, implementation and delivery of enterprise cloud products across a range of AWS services.
- Significant experience with enterprise cloud architecture and stakeholder management.
- FinTech PCI-DSS compliant solution architected, designed and implemented on the Kubernetes-based AWS cloud.
- Experience in performing cloud readiness assessments by observing operational and technical perspectives
- Excellent knowledge of cloud technologies and current IT trends.
- Experience with a variety of AWS services including Route53, Cloudfront, API Gateway, load balancers, EKS, MSK, AWS Organization, AWS Identity Center, Istio, etc. identifying AWS architecture best practices.
- Experience with infrastructure architecture and security through inspector, GuardDuty, IAM, KMS, Secret Managers, Cloud Trail, CloudWatch, config, trusted advisor, security groups, etc.
- DevOps expertise, configuration management (GitLab), automated resource creation process with Terraform and Python scripts, Docker containerization.
- Create monitors, alarms and notifications for AWS assets using Cloudwatch & monitoring tools such as Grafana, Prometheus, Loki, Thanos, Jaeger, etc.
- Excellent problem solving skills and ability to work collaboratively and independently.

Experience

Cloud Architect

Qorbital

Apr 2021 - Present (1 year 6 months +)

Key Qualifications & Responsibilities

- Work with decision makers to determine cloud solutions
- Implement cost-control strategies, calculate cost for required cloud services & tools
- Responsible for determining the general direction of the cloud solution for the enterprise application implementation.
- Work collaboratively with IT vendors and internal IT teams
- Develop architecture blueprints & detailed documentation; architect, design and deploy dynamically scalable, highly available, secured, fault-tolerant, and reliable applications in accordance with product requirements.
- Communicate target architectural plans and company roadmaps across all departments.
- Set-up process, services and tools around cloud; overseeing build of the environment
- Oversee the design of cloud infrastructure and create detailed architecture models to host development, test and production environments.

- Based on given requirements, select appropriate cloud services to design and deploy an application
- Manage complex, multi-account, multi-cluster applications on cloud platform
- Monitor existing infrastructure for performance, and change and update when necessary.
- Nurture cloud computing expertise internally to drive cloud adoption

Key Achievements

- Architected, designed, and deployed innovative and complete cloud architecture within short span of time
- Successfully designed and setup multi account, cross-mesh Kubernetes cluster on AWS EKS.

BigData | Spark | Cassandra | Kafka | Java | SpringBoot | AWS | Python | Consultant | Freelancer

Freelance; Self-employed IT professional; Consultant

Apr 2018 - Apr 2021 (3 years 1 month)

- Big data developer
- Live project experience in Apache Spark using Java 8 with Apache Cassandra for more than 2 years using spark cassandra connector
- 2+ years experience in managing AWS EC2, VPC, Security groups, route tables
- My experience in Apache Cassandra starts from data modeling upto database administration on production servers with 3-5 nodes in cluster of live projects.
- Successfully done data modeling for 2 Apache Cassandra based projects which are in production now

VP Technology

Ksolves India Limited

Jun 2016 - Mar 2018 (1 year 10 months)

- Experience in Apache Spark, Apache Cassandra
- AWS - managing EC2 instances
- Hands-on experience with Cassandra, CQL, data modeling, data replication, clustering, indexing for handling for large data sets.
- Expertise in managing Cassandra Cluster using Apache Cassandra 3.9 and 3.11
- Strong experience with Java, Python with Apache Spark.
- Experience working with distributed systems, clustering, and replication technologies.
- Architecture reviews,
- Requirements analysis and design,
- Prototypes,
- Code review, code refactoring,
- Mentoring, training
- Evaluate and decide use of software products including tools, frameworks
- Performance improvement, refactoring of application(s)
- Well versed with development toolkits like Maven, GIT, Bitbucket, Continues Integration suites like Jenkins, automated deployments using Ansible, JIRA, Wiki.
- Capable of working in a collaborative, multi-site environment to support rapid development and delivery of results and capabilities
- Effectively communicating technical analyses, recommendations to project stakeholders

Enterprise Architect

Ksolves India Limited

Sep 2014 - Jun 2016 (1 year 10 months)

- Consultancy
- Architecture reviews,
- Requirements analysis,
- Design and review,
- Prototypes,
- Code review, code refactoring,
- Mentoring, training
- Evaluate, investigate and decide use of software products including tools, frameworks
- Performance analysis, refactoring of application(s)
- Decide technical road map

tieto

Software Architect

Tieto

Dec 2009 - Sep 2014 (4 years 10 months)

- Requirements analysis, architecture, design, prototypes, code review, code refactoring, mentoring, environment setup, continuous integration, trainings, demos
- Participating in proposal making and due diligence activities
- Evaluate, investigate and decide use of software products including tools, frameworks
- knowledge transfer from onsite to offshore, team ramp-up, setting up knowledge base, documenting project
- processes
- Conducting and arranging sessions for knowledge sharing
- Performance analysis, refactoring of application(s)
- communications with stakeholders
- technical roadmap for team

GeometricPLM

Group Lead

GeometricPLM

Nov 2008 - Dec 2009 (1 year 2 months)

Requirement analysis,
design,
prototyping,
development,
unit testing,
mentor,
customer communication,
onsite-offshore coordination,

Consultant at Cummins Inc

Geometric Software

Sep 2007 - Nov 2008 (1 year 3 months)

Technical consultancy,
Performance analysis
prototyping,
mentor,
customer communication,

onsite-offshore coordination,

Consultant at QuikSilver

Geometric Software

Mar 2007 - Aug 2007 (6 months)

Technical consultancy,
implementation,

design,

unit testing

Performance analysis

customer communication,

Group Lead PLM Solutions

Geometric Software

Apr 2006 - Mar 2007 (1 year)

Requirement analysis, design, development, unit testing, mentoring, customer communication, onsite-offshore coordination

Senior Software Engineer

Geometric Software

Apr 2003 - Apr 2006 (3 years 1 month)

development, unit testing

Software Engineer

Geometric Software

Aug 2000 - Mar 2003 (2 years 8 months)

development, unit testing

Software Engineer

Vishwagan Infosoft Pvt. Ltd.

Dec 1999 - Aug 2000 (9 months)

Software implementation, unit testing

Education

CDAC

Diploma, Development of Advanced Computing

1999 - 1999

Dr Babasaheb Ambedkar University

B.E., Production Engineering

1994 - 1998

S. B. College of Science

HSC, Science, Mathematics
1992 - 1994

Gujrati vidya mandir
S.S.C., Secondary School Certificate
1984 - 1992

Licenses & Certifications

Cloudera Certified Developer for Apache Hadoop - Cloudera

Sun Certified Java Programmer - Sun Microsystem

Brainbench certified for Java 2 - Brainbench

 **Oracle Certified Master, Java EE 5 Enterprise Architect** - Oracle

Skills

Big Data • Cassandra • Apache Spark • Cloud Computing • Agile Methodologies • Amazon Web Services (AWS) • Python (Programming Language) • Terraform • Serverless Computing • Shell Scripting

Honors & Awards

Pat on the back - Tieto

Jul 2013

Received this award from my unit for my contribution to the project as a senior member. I was involved in the transition and then execution of the project. The customer satisfaction index was excellent.

Appreciation Award - Geometric

Jan 2006

For excellent team work and contribution to the project

Excellent Performing Team Award - Geometric

Jun 2004

For introducing a new productivity improvement tool, developed in house, on time with great quality