

# Serge Tkach

## Principal Solutions Architect

Bellevue, WA  
+1.425.610.9418  
[sbtkach@outlook.com](mailto:sbtkach@outlook.com)

Serge builds cloud-native applications and works with customers to help them architect, develop and re-engineer applications to leverage AWS. He takes advantage of his deep knowledge of AWS technologies to collaborate with sales and partner teams to propose, architect, and implement transformational solutions for his enterprise customers.

Serge orients himself around a qualified-deliver-manage model and partners with tech leaders to dive deep into customer business challenges and collaboratively pre-qualify engagements. Finally, he possesses a unique hybrid of AWS platform expertise and hands-on building that's coupled with cross-industry business acumen, executive presence, and customer obsession.

### EXPERIENCE

#### **Principal Solutions Architect, Accenture (Feb. 2010 - Present)**

- Ensured success in designing, building, optimizing, and migrating applications, software, and services on the AWS platform
- Drove architecture & building of highly scalable, cloud-native apps using developer services, e.g., Lambda, Fargate, Step Functions, SQS, API Gateway, SNS, AppSync, Aurora Serverless
- Built, deployed, and configured cloud native applications with Kubernetes, i.e., defined app resources and used core primitives to build, monitor, and troubleshoot scalable apps and tools in K8s
- Implemented DevOps best practices: Continuous Integration, Continuous Delivery/Automated Deployment, Infrastructure as Code/Config Mgmt via AWS OpsWorks for Puppet Enterprise & Stacks, Monitoring & Logging, and Communication & Collaboration
- Led deep architecture discussions & design exercises to create world-class AWS solutions for cloud deployment
- Authored customer-facing publications, e.g., whitepapers, POCs
- Formulated & executed strategies to accelerate customer outcomes via adoption of AWS in conjunction with ProServe
- Built deep relationships with senior technical experts, architects and executive leadership to enable them to be cloud advocates
- Captured and shared best-practice knowledge, sales, and delivery content among the Accenture Technology services

#### **BI Developer, Demand Media (Mar. 2007 - Jan. 2010)**

- Worked with BI, Sales, and Marketing to translate business requirements into detailed analytic action plans
- Ingested data from raw logs to pull, parse, aggregate, and analyze via Microsoft SSIS
- Synthesized sales data into visual analytics and KPI dashboards for senior and executive management
- Designed and implemented Microsoft BI solutions to store, gather, and analyze DWHs, metadata repos, and data cubes

### EDUCATION

**University of Washington**, B.S. in  
*Computing & Software Systems (B.S.)*  
• Aug. 2001 - Mar. 2004

### PROJECT/DELIVERY MGMT.

- SDLC, agile, XP, SAFe, Scrum
- Manage & deliver large-scale enterprise projects
- Manage IT compliance & risk
- Deliver design, implementation & support of world-class enterprise IT architecture (distributed apps, DB, networking, security)

### SOLUTION ARCHITECTURE

- API architecture/management & microservices adoption
- Migration & modernization of servers, app, data centers, and DBs
- Deployment and operations of workloads on AWS using EKS, ECS, Fargate, and Kubernetes
- AWS integration with on-prem data centers (MSFT, Oracle, Linux, VMware)
- Implementation of enterprise systems, e.g., Web, SAP, MSFT, custom Java/.NET apps
- Design & delivery of integration architecture connecting middleware apps to downstream systems, e.g., SOAP, REST API, AWS

### TECHNICAL SKILLS

- AWS: SNS, RDS, S3, CloudFront, VPC, Lambda, IAM, EBS, Kinesis, SQS, Elastic Beanstalk, DynamoDB, RDS, ElastiCache, Redshift, Organizations
- Azure: SQL Database, DevOps
- IaC: CloudFormation & Terraform
- Containerization: ECR, ECS, EKS, Fargate, EC2, and Docker
- Languages: Java, C#, Python
- Scripting: Bash, Powershell, C#, HCL, JavaScript, Perl, PowerShell, VBA

### CERTIFICATION

- Certified SAFe® 5 Agilist (SA)
- HashiCorp Certified Terraform Assoc
- AWS Solutions Architect - Pro
- AWS Certified Security - Specialty
- AWS Certified Data Analytics
- AWS Certified Developer - Associate
- AWS Certified DevOps Engineer
- AWS Certified Advanced Networking - Specialty (expected May)
- Kubernetes Certified Application Developer (CKAD) (expected July)