

## **OBJECTIVE: Principal Software Developer / Technical Project Lead / Software Architect**

### **SKILLS:**

30+ years of hands-on software development experience. 20+ years of Java. 10+ years of architecture. Design and programming. Service Oriented Architectures and microservices, REST and GraphQL. Distributed systems and high availability. Public API design and implementation. Database design, administration and programming. Cloud Computing, expert-level Amazon Web Services. Big Data, Machine Learning systems, AI / RAG. Workflow applications and rule engines. Search-based applications and solutions. Messaging, eventing, asynchronous processing, streaming and observability. Strong cryptography and network security. Full, agile or traditional software development lifecycle. *Building solid teams, mentoring and education of junior developers.* Task estimates, project and budget planning, formal leadership and management.

### **KEYWORDS:**

Typescript, Javascript, Node.js, C, C++, Java, Spring, Springboot, REST, GraphQL  
Oracle, PostgreSQL, MySQL, SQL Server, NoSQL, HBase, MongoDB  
AWS, S3, EC2, ELB, RDS, Aurora, SQS, DynamoDB, Lambda, Step Fn., ECS, EKS, Fargate  
Hadoop, Spark, Pig, Lucene, Solr, Elasticsearch / OpenSearch, Kafka, Rabbit MQ  
Linux, Proxmox, VMware, Docker, LXC, Kubernetes, Grafana, Prometheus  
npm, Gradle, maven, CI / CD, Jenkins, jest, junit

### **EDUCATION AND CERTIFICATIONS:**

*BS in Mathematics and Computer Science*

1992-1994 Lawrence Technological University, Detroit, Michigan

*BS in Applied Information Systems*

1986-1991 Industrial University, Baku, Azerbaijan

*Sun Certified Architect for J2EE platform, Sun Certified Programmer for Java 2 platform*

**Published industry author and patent holder**

*Naturalized US citizen, employment is fully authorized*

### **EXPERIENCE:**

**2021-present Independent Software Technologist, Richmond, VA**

Successfully developed and sold bespoke software technology for small businesses in the areas of enterprise search, automated provisioning of secure networks, video stream ML.

**2017-2021 Senior Software Development Engineer Amazon, Seattle, WA**

Delivered diverse set of successful projects for Amazon Explore virtual presence, Luna game streaming, Prime Air drones, and Kuiper satellites. Services, asynchronous workflows, e-commerce, large scale integration, game- and interactive streaming, serverless, anomaly detection and mediation, fleet management. Architecture and team leadership. Mentored and organized junior developers. Assisted business development with strategy and estimates.

**2016-2017 Senior Principal Software Engineer** *SAP Concur, Bellevue, WA*

Led several initiatives converting large legacy applications to smaller, more manageable services. Integrated disperse distributed workflows. Designed and developed innovative loosely connected lightweight messaging framework aimed at rapid development of business logic decoupled from messaging substrates. Java, REST, Springboot, Docker, Kubernetes, AWS.

**2014-2016 Principal Software Engineer – Social Intelligence** *Salesforce.com, Seattle, WA*

As part of Salesforce Chatter teams (“Facebook for business”), worked on discovery, recommendation and delivery of relevant content to users of leading enterprise social network and Salesforce Communities. Used traditional databases and Big Data tools to extract and process variety of signals from user's posts, likes, follows, comments etc. to identify and expose trending topics and other relevant information and provide recommendations. Promoted culture of unit testing and many other improvements of the development process.

**2012-2014 Senior Program Manager** *Microsoft, Redmond, Washington*

As part of Microsoft Autopilot, designed, evaluated and analyzed very large-scale logging, tracing and monitoring systems in Bing and Windows Azure environments. Identified commonality between disperse systems and teams, facilitated emergence of common vision and strategy. Developed and validated product features, prepared design documents, managed commitments across multiple teams.

**2011-2012 Senior Software Engineer – Global Payments** *Expedia, Bellevue, Washington*

Designed and implemented new features and improvements in Expedia's complex SOA environment including Web Services and various internal frameworks. Coordinated development activities with offshore teams, drove agile development processes and improved product release practices.

**2010-2011 Senior Software Engineer** *F5 Networks, Seattle, Washington*

Contributed to multiple components of F5 Enterprise Manager product. Responsible for on-device storage architecture including database-driven storage and free-form search. Implemented collection and processing of per-device performance management statistics, corresponding UI elements, bug fixes and overall improvements.

**2006-2010 Senior Software Development Engineer** *Amazon, Seattle, Washington*

Engaged in number of challenging projects working on Amazon-size solutions as part of Amazon Payments, Distributed Database Systems and Amazon Web Services teams. *Was primary developer of three new Amazon Web Services*, including Amazon Relational Database Service (RDS) and Amazon Elastic Beanstalk, from conception to public availability. Migrated core business components of *Amazon retail website* to SOA.

**1991-2010 Multiple Software Engineering and Management Positions**

*Retail, Airspace, Defense, Government, Travel, Warehousing, Logistics and other industries*