Mikhail Garber · (425) 233-0373 · mikhail@garbercentral.com · linkedin.com/in/mikhailgarber

OBJECTIVE: Principal Software Engineer / Technical Project Lead / Software Architect

SKILLS:

Seasoned software architect and developer with over 30 years of experience, including 20+ years of Java and 5+ years of nodejs/Typescript, specializing in distributed systems and high-availability architectures. Deep expertise in modern API design (REST/GraphQL), microservices, and cloud computing with AWS. Demonstrated success implementing AI/ML solutions, Big Data systems, workflow engines, and search-based applications, with strong focus on messaging, event-driven architectures, and observability. Technical leader skilled in database design, cryptography, and network security, with proven track record of building high-performing teams and mentoring junior developers. Experienced in full project lifecycle management, from technical planning and budgeting through agile delivery methodologies.

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:

2024-present Principal Software Engineer *Rula Mental Health, Richmond, VA*
Led cross-team initiatives, developed and socialized development standards and tools, proposed numerous service and API design improvements. Contributed code to cross-team libraries and several diverse code bases.
2021-2024 Independent Software Technologist, *Richmond, VA*
Developed and sold software technology for small businesses in the areas of enterprise search, automated provisioning of secure networks, video stream ML and others until successful "exit".

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