**David Gao**Bellevue, WA 98004  
(213) 631-6156 | gv76592@gmail.com

### **Career Objective**

Seeking an opportunity in software development to leverage my extensive experience in architecting and implementing scalable solutions.

### **Experience**

**Principal Software Engineer Lead***Microsoft  
June 2020 - Present*

* **Led the architecture and deployment of cloud-native applications on Azure**, improving system performance by 45%.
* **Developed AI-driven analytics tools using Azure Machine Learning and Cognitive Services**, enhancing data insights and decision-making processes.
* **Spearheaded the migration of legacy systems to microservices architecture using Docker and Kubernetes**, reducing operational costs by 30%.
* **Collaborated with cross-functional teams** to deliver cloud services aligned with business objectives using agile methodologies..

**Senior Software Engineer Lead***eBay  
May 2018 - February 2020*

* **Designed and deployed machine learning models for cloud-based applications**, increasing efficiency by 50%.
* **Developed scalable AI services**, leveraging TensorFlow and Kubernetes for enhanced performance.
* **Led teams in integrating AI solutions into cloud platforms**, improving product offerings and customer satisfaction.
* **Assisted clients in adopting AI technologies**, resulting in a 25% increase in client retention.

**Lead Software Engineer***Amazon  
May 2016 - April 2018*

* **Developed cloud-based AI tools for data analysis** using AWS SageMaker, improving data processing speed by 40%.
* **Implemented serverless architectures with AWS Lambda**, enhancing scalability and reducing costs.
* **Collaborated with clients to implement AI solutions on AWS infrastructure**, increasing adoption by 35%.
* **Optimized cloud resource utilization**, achieving a 20% reduction in operational expenses.

**Cofounder and CTO***WeCarAuto Group  
August 2013 - April 2016*

* **Implemented cloud infrastructure solutions for enterprise clients**, enhancing reliability and uptime.
* **Developed AI-powered applications**, improving user engagement by 30%.
* **Automated deployment processes using Ansible and Jenkins**, reducing deployment time by 60%.
* **Improved system scalability through cloud orchestration**, supporting business growth.

**Software Engineer***ZhihuiEnterprise Group  
September 2012 - July 2013*

* **Contributed to the development of cloud-based applications** using Java and MySQL.
* **Assisted in integrating AI functionalities into existing cloud services**, enhancing capabilities.
* **Collaborated with senior engineers on system optimization projects**, improving performance by 25%.
* **Participated in code reviews and agile sprints**, ensuring timely delivery of features.

**Software Engineer***ZhihuiEnterprise Group  
May 2011 - August 2012*

* **Developed new features for cloud-based AI applications**, increasing functionality.
* **Built infrastructure for efficient data processing and analysis**, reducing latency by 15%.Built infrastructure for efficient data processing and analysis.
* **Addressed security and compliance issues in cloud environments**, ensuring data protection.
* **Assisted in the deployment of AI models to production**, gaining hands-on experience.

### **Education**

**Master of Science in Biostatistics***University of Southern California, CA*

**Bachelor of Science in Mathematics***University of Nebraska Lincoln, NE*

### **Certifications**

* **Microsoft Certified:**
  + Azure Solutions Architect Expert
  + DevOps Engineer Expert
  + Cybersecurity Architect Expert
  + Power Platform Solution Architect Expert
  + Azure Administrator Associate
  + Power Platform Developer Associate
  + Azure Security Engineer Associate
* **AWS Certified:**
  + Solutions Architect - Professional
  + DevOps Engineer - Professional
  + Advanced Networking - Specialty
  + Data Analytics - Specialty
  + Machine Learning - Specialty
  + Database - Specialty
  + SAP on AWS - Specialty
  + Security - Specialty
* **Google Cloud Certified:**
  + Professional Machine Learning Engineer
  + Professional Cloud Security Engineer
  + Professional Data Engineer
  + Professional Cloud Architect
  + Professional Cloud Database Engineer
  + Professional Cloud DevOps Engineer
  + Professional Cloud Network Engineer
  + Professional Google Workspace Administrator

### **Skills**

* **Tools:** MongoDB, Cassandra, AWS, Azure, GCP, Docker, Kubernetes, Power BI, Tableau
* **Languages:** Java, Python, C++, C#, PHP, Perl, Scala, Ruby on Rails, Vue, ReactJS, AngularJS, JavaScript, Node.js, CSS, HTML, Servlet, Android, MySQL
* **Frameworks:** TensorFlow, PyTorch, RESTful, Spring MVC, Django, Hadoop, Spark, Flink, HBase, Play
* **Systems:** Linux, Mac, Windows