

Don Shin

Education

University of Texas at Dallas Master's of Science (M.S.), Dallas, TX Computer Information Systems, Graduated: 2011
Occidental College Bachelor's of Arts (B.A.), Los Angeles, CA Economics Graduated: 2001

Clearance

Top Secret / SCI (Active)

Professional Certifications

PMP Certified Project Manager
Google Cloud Professional Certified Architect GCP
Google Cloud Professional Certified Machine Learning Engineer GCP
SAS Certified Programmer
ITIL v3 Foundations
CISSP

TECHNICAL SKILLS

- Cloud Platforms: Google Cloud Platform (Dataflow, Dataproc, BigQuery, Pub/Sub, Vertex AI, GKE, Cloud Bigtable, Cloud Data Fusion).
- Data Engineering: Apache Beam (Java/Python), Apache Kafka, ksqldb, Apache Spark, ETL/ELT, Streaming Analytics.
- Machine Learning: TensorFlow (Privacy/Model Remediation), PyTorch, Spark MLlib, BigQuery ML, XGBoost.
- DevOps & Tools: Docker, Kubernetes (GKE), Service Mesh (Istio), Grafana, Elasticsearch, Git.

Professional Experience

Instructor I Alamo College District I San Antonio, TX *(Mar 2024 - Present)*

- Complex Communication & Active Listening: Synthesize and communicate highly complex technical concepts (including Java, C++, and core programming architecture) into clear, accessible language for diverse audiences. Listen attentively to student inquiries, respond to nonverbal cues to gauge comprehension, and make clear, convincing oral presentations daily.

- **Tact & Conflict Resolution:** Maintain strong, professional relationships with diverse student populations. Navigate challenging interpersonal situations, such as academic disputes or performance interventions, applying tact, empathy, and strict adherence to institutional policy.
- **Technical Workflow Management:** Efficiently navigate and utilize multiple technology systems simultaneously — including Learning Management Systems (LMS), grading portals, and development environments — to track progress, maintain accurate records, and manage administrative workflows.
- **Documentation & Reporting:** Author, review, and finalize highly detailed syllabus materials, lab assignments, and performance evaluations. Ensure all written materials exhibit impeccable grammar, punctuation, and spelling, communicating factual information and technical material in a succinct, highly organized manner.
- **Autonomous Time Management:** Demonstrate exceptional time management and prioritization skills by autonomously designing course structures, managing heavy grading queues, and balancing administrative duties. Consistently operate effectively in both on-campus and remote home-office environments.
- **Integrity & Security Alignment:** Maintain an active TS/SCI security clearance, demonstrating a proven, verifiable track record of impeccable integrity, personal reliability, and a strong sense of mission in supporting national security initiatives.

Lead Engineer I Agilesix I San Antonio, TX (Oct 2022 - Feb 2024)

- Architected multi-cluster Gateway solutions across Google Kubernetes Engine (GKE) fleets, seamlessly registering disparate clusters to centralize cross-cluster traffic management and optimize cloud infrastructure performance.
- Configured Multi-Cluster Services (MCS) and Gateway controllers to establish resilient service discovery and routing, supporting highly distributed backend application architectures.
- Engineered advanced traffic routing protocols by deploying HTTPRoute resources, ensuring high availability, efficient load balancing, and secure communication across geographically dispersed GCP environments.

Principal Engineer I Viapath via RCMT I San Antonio, TX (Mar 2019 - Oct 2022)

- Provisioned and managed scalable Kubernetes clusters on Google Cloud Platform to serve as the underlying infrastructure for robust, enterprise-grade continuous integration and delivery pipelines.
- Administered Jenkins environments within Kubernetes, configuring automated build triggers tied to specific Git feature branches to streamline the development lifecycle.

- Mitigated production release risks by implementing dual deployment pipelines (canary and production), enabling real-world testing of code updates with minimal impact to the end-user experience.

Migration Engineer | Oracle via Zion Tech | San Antonio, TX *(Feb 2017 - Mar 2019)*

- Executed phased network security migrations, transitioning legacy VPC firewall rules to a unified Cloud Next Generation Firewall global policy while utilizing exclusion filters to guarantee zero downtime during the rollout.
- Modernized cloud access controls by mapping and binding legacy string-based network tags to secure, centrally managed IAM Tags, significantly enhancing the granularity and security of workload micro-segmentation.
- Configured and validated global firewall policy associations, dynamically modifying network enforcement orders to prioritize new rule sets and utilizing Logging to verify correct traffic routing and rule interception.

Software Engineer | HP inc via Insight Global | Austin, TX *(Apr 2015 - Jan 2017)*

- Built custom Ruby gems and plugins to enhance application functionality and promote code reuse.
- Enhanced application security through robust authentication and authorization mechanisms and conducted load testing for high-traffic applications.

Software Engineer | Rackspace via AccionLabs | Austin, TX *(Feb 2012 - Apr 2015)*

- Developed ReactJS and Java applications for cybersecurity users to monitor intrusion detection systems.
- Advised clients on the design and function of their Business Intelligence (BI) environment, including reports, dashboards, and data elements.

Sr. Software Engineer | Accenture | Reston, VA *(Mar 2010 - Feb 2012)*

- Developed Java applications integrating Spring Framework components to improve business processes.
- Implemented test-driven development (TDD) practices and worked with RESTful APIs for third-party integrations.

Software Engineer | Lockheed Martin via TEKsystems | San Antonio, TX *(Jun 2008 - Mar 2010)*

- Developed multiple Java/J2EE based applications and implemented solutions using Hibernate, Spring, Spring MVC, and REST APIs.

Software Engineer | Blockbuster Video | Dallas, TX (*Jul 2001 - Jun 2008*)

- Led the design and development of engaging web applications for an online streaming platform.