

BEN YAN

🌐 Experienced Cloud Architect and Security Engineer with a Data Science and Scientific Computing background
📍 Seattle, WA 🗣️ English | Mandarin 📧 hi@me-ben.com 🐙 yanb3n 🌐 yanben

EXPERIENCE

Strategic Cloud Engineer

Google Cloud

📅 July 2021 – Present 📍 Seattle

- Delivered security logging, monitoring, and operational best practices for GCP customers using Cloud Operations with external SIEMs, focusing on GCP-specific detections and alerts
- Provided GCP-specific network, data, and access security best practices and guidelines - delivered incident response outlines and trainings for SOC Teams
- Designed and implemented infrastructure level monitoring for F50 Financial Customers to detect and alert on platform threats
- Implemented multi-perimeter VPC Service Controls at major regulated F500 customers to segregate and protect environments and resources from data exfiltration and unauthorized access
- Wrote **python** data pipelines and tools to triage and decommission orphaned and unused internal GCP Projects and Organizations, improving security posture and reducing excess spend

Cloud Consultant

Ernst & Young LLP

📅 Aug 2019 – Jun 2021 📍 Seattle

- Delivered a **security maturity assessment** for executive leadership of a \$10B+ startup, automated **batch analysis** of 100k+ access log events for high risk SaaS applications in **pandas**
- Designed and implemented a **zero-trust** solution for 2500+ remote users at a \$3B+ revenue retailer. Built a **EC2 Active Directory Certificate Service PKI** and secured the RootCA key with **AWS HSM** to deploy certificates, end-to-end automated with **Terraform** and **PowerShell**
- Secured network access for 1500+ WFH devices with a **third-party SaaS forward proxy** agent – resolved prefix routing issues
- Migrated 200 legacy applications running on **Windows Server** in **vSphere** with **Azure Migrate** into isolated subnets and security groups ahead of schedule, reported weekly progress to executives with a **PowerBI** and **MySQL** dashboard

Livestream Broadcast Technology Engineer

Bento Productions LLC

📅 December 2019 – July 2021 📍 Los Angeles (Remote/Freelance)

- Generated 100% YoY viewership growth of Collegiate Rocket League with Twitch.tv broadcast interactivity integrations
- Implemented **NodeJS** + **MongoDB** chatbot to allow viewer-voted highlights, increasing per-viewer chat activity by 30%
- Developed **NodeJS** match predictions to allow viewer prediction competitions, pre-dating a similar Twitch feature by 1 year
- Delivered viewership and chat interaction dashboards/reports generated with **matplotlib/pandas** from **MongoDB** data lake

EDUCATION

B.S. Aerospace Engineering

University of Washington

📅 Jun 2019 📍 Seattle, WA

Relevant Coursework:

Data Structures Algorithms AI
Scientific Computing Systems Design

PROGRAMMING LANGUAGES

Java NodeJS Python Terraform
SQL bash

TECHNOLOGIES

Serverless REST API Jest Pandas
Elasticsearch Splunk Jenkins PKI
CI/CD Cloud Migration Networking

CERTIFICATIONS

- 🇸 **GCP Professional Cloud Architect**
Certified 2021
- 🇸 **AWS Solutions Architect Associate**
Certified 2021
- 🇸 **GCP Professional Data Engineer**
Certified 2020

LEADERSHIP

Community Organizer

AAPI Against Hate

📅 Mar 2021 – Present 📍 Seattle, WA

- Organized 400+ person rally and march in Seattle's Chinatown/International District
- Brought in former governors and state/local elected officials to speak
- Organization spokesperson for media appearances in the Seattle Times, local news, etc.