‍                                          **Carl Wu**  
  
                                       4319 Renaissance Apt 226  
                                       San Jose, CA 95134  
                                       Cell phone: (669)243-0726  
                                       Email: carlwu66@gmail.com  
  
**OBJECTIVE**  
 to pursue a career as a professional software engineer.

**TECHNICAL SKILLS** **Go, Python, Bash, C/C++, SQL**

**AWS(IAM/EC2/S3), Azure, GCP, TCP/IP, Linux Kernel**

**CI/CD(Jenkins, Gitlab, Azure ADO, Argo CD), Elasticsearch stack, PyTorch**

**Ansible/Salt/Puppet, Docker, Kubernetes, Helm, Postman**

**Terraform, Prometheus, Grafana**

**PROFESSIONAL EXPERIENCE**

**Senior Devops Engineer(Contract), Infra-Platform team Cariad Inc**  **Oct 2023-Present, Mountain View CA**  Implemented Azure ADO CI/CD pipeline for ADAS and ACIP project for new Cariad Innovation Center in Silicon Valley. The pipeline implements a hybrid test network between Azure VMs and physical test nodes in the lab. Azure ADO CI/CD pipeline, Azure storage account, Azure CLI, Terraform, PyTorch, Go, BASH/Python, Kubernetes, Docker, Ubuntu.

**Senior Devops Engineer, Infra-Platform team Tusimple Inc**  **Aug 2021-Feb 2023, San Jose CA**  Daily operations of Tuyaco (an internal Kubernetes like platform) and ECOS (an internal system based on Kubernetes and Rancher). Rebuild the ECOS CI/CD pipeline in AWS EC2 environment. IAM/EC2, Terraform, Ansible, Jenkins, Prometheus, Grafana, AWS S3, Jenkins, Helm, CI/CD, Go, Python, Ubuntu.

Lead the migration of all applications from Tuyaco platform to ECOS platform (internal AI training platform). Golang, Python/Bash, Docker, Kubernetes, CI/CD, AWS IAM, AWS S3, AWS EC2, Go, Python, Prometheus, Grafana, Jenkins, Terraform, Argo CD, NVIDIA GPU package management, Ansible, Ubuntu, Premise Cloud, Postman.

**Senior Software Engineer, SVL team NetApp**  **Jan 2020-Apr 2021, Sunnyvale CA**  Lead and Implemented monitor service for Global Scheduler on Microsoft Azure cloud. Global Scheduler is a project for enterprise data protection solution on Microsoft Azure cloud. Go, Terraform, Docker, Kubernetes, Helm, Prometheus, NetApp ONTAP, Storage System (Object Storage, Caching), RabbitMQ, GORM, PostgreSQL, Postman, Ubuntu.

**Senior Software Engineer, Thundertoken Inc**  **Jul 2018-Aug 2019, Sunnyvale CA** Profiling Thundertoken server applications. Go, Ethereum, Promethus, Grafana, Ansible, AWS EC2 and S3, Terraform, Prometheus, Grafana, Docker, Kubernetes.

Lead and Implemented the Thundercore whole chain database replay utility. It reached 220 blocks/second performance, for each block we have 1500 TPS performance. This is one of the best performances in the whole block chain industry. Go, high performance coding for long running server, CPU usage tuning, memory optimization, Golang Escape protocol.

**Senior Site Reliability Engineer, Zycada Networks**  **Jan 2017-June 2018, Mountain View CA** Lead and implemented software delivery system for company’s multi-vendor cloud environment. Go, AWS IAM/LAMBDA, Azure, GCP, Hostvirtual, Python, Salt, Django, Salt, Elasticsearch, Logstash, Kibana, Opensearch, Slack, REST, Confluence, GIT, Ubuntu.

**Senior Site Reliability Engineer (Contract), XPC Team Comcast**  **Mar 2016-Dec 2016, Sunnyvale CA** Implemented monitoring system for XPC platform with Nagios/Icinga framework, raised alarms to Devops team via Slack channel when certain thresholds triggered. Go, Python, Django, Slack, Nagios/Icinga, RESTful API, Confluence, GIT, Centos, Premise Cloud Environment, Puppet.

**Senior Software Engineer (Contract), Omega Team，Facebook**  **July 2015-Dec 2015, Menlo Park CA** Implemented Selenium monitoring system for Facebook Payment System, this system can raise alerts to on-call team when certain thresholds triggered, it reduces customer complain and system outrage time. Python, Selenium, ODS, Chef, Nagios, PCP, REST, PEP8, SQL alchemy, GIT, Centos, RHEL.

**Senior Software Engineer (Contract), iMATCHATIVE**  **Feb 2015-Jun 2015, San Francisco CA** Rewrite ALTX from Windows platform to Linux platform. Python/Flask, GIT.

**EDUCATION** MSCS and BSCS, University of Electronic Science and Technology of China