

SWILL CHENG

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PROFILE

Senior DevOps Engineer with 8+ years of experience in enterprise cloud infrastructure and DevOps transformation. Expertise in multi-cloud architecture (GCP, Alibaba Cloud, AWS), hybrid Kubernetes clusters (100+ nodes), and Istio service mesh. Built enterprise DevOps platforms supporting 100+ developers and comprehensive observability solutions. Team leader managing 4 engineers.

WORK EXPERIENCE

Pepperstone — Sr. DevOps Engineer

Feb 2026 - Present · Shanghai, China

Istio & Traffic Management

- Architected multi-version deployment strategies using Istio Service Mesh to support canary releases and A/B testing.
- Implemented traffic-tinting and "swimlane" isolation to enable end-to-end testing in shared clusters.
- Configured VirtualServices and DestinationRules to automate traffic shifting and enhance environment resilience.

GitOps Migration (FluxCD to ArgoCD)

- Led the organizational migration from FluxCD to ArgoCD, standardizing GitOps workflows across multiple Kubernetes clusters.
- Deployed the "App-of-Apps" pattern and ApplicationSets to manage microservices and CRD lifecycles at scale.
- Integrated ArgoCD with CI/CD pipelines to ensure automated drift detection and self-healing for infrastructure manifests.
- Built an ArgoCD file-download plugin (Go) to replace `kubectl cp`, letting developers self-serve pod artifact and log retrieval without kubectl access.

AWS EU Infrastructure (0 to 1)

- Bootstrapped AWS EU region with Terraform (VPC / EKS / RDS / IAM + observability) and rolled out ArgoCD-based GitOps from day one, aligning the new region with the org-wide delivery standard for regional expansion and data-residency compliance.

Zeal Group — Sr. DevOps Engineer

Aug 2025 - Jan 2026 · Shanghai, China

- Built GCP infrastructure and established observability platform (logging, metrics, distributed tracing) with Prometheus and Grafana for the new Traze environment.
- Optimized ArgoCD/Kafka/GitLab CI deployment pipelines.
- Took over DevSecOps responsibilities, integrating security practices into CI/CD pipelines.

WOOTECH Limited (woox.io) — Sr. DevOps Engineer

Feb 2025 - Aug 2025 · Shanghai, China

- Transformed GCP flow logs and HTTP load balancer logs into Prometheus metrics; configured Grafana dashboards for traffic pattern analysis.
- Redesigned Prometheus alerting at the service level and integrated with PagerDuty for improved incident response.

- Designed PVC migration strategy from multi-AZ to single-AZ in GKE, reducing cross-zone traffic costs.
- Utilized GKE Metering with BigQuery and Grafana for service-level cost allocation dashboards.
- Redesigned GitLab Runner architecture using Helm and Spot VM node pools to reduce infrastructure costs.

Shanghai Mitsubishi Elevator Co., Ltd. — Technician (DevOps/Cloud Engineer)

Jun 2020 - Jan 2025 · Shanghai, China

DevOps Platform Development (0 to 1)

- Built Jenkins + ArgoCD enterprise DevOps platform for 100+ developers, with Artifactory and GitHub Flow covering the full code-to-artifact lifecycle.
- Integrated Sonar quality checks and X-ray vulnerability scanning for DevSecOps; applied GitOps for IaC and Pipeline-as-Code.

Alibaba Cloud Infrastructure Architecture (0 to 1)

- Led Alibaba Cloud architecture managing multi-million annual cloud spend; Terraform IaC across ECS / ACK / RDS / SLB / SLS / Redis / OSS.
- Built cloud security framework (SSO + AK/RAM least privilege) and a hybrid-cloud architecture over dedicated line, cutting cost via reserved instances and storage tiering.

Observability & Microservice Governance (SRE)

- Managed hybrid cloud Kubernetes clusters (100+ nodes) for cross-environment container orchestration.
- Built observability platform integrating Prometheus/Grafana for metrics and SLS for log collection; established end-to-end tracing with OpenTelemetry.
- Led microservice architecture upgrade (Eureka to Nacos), achieving 90% containerization rate.

Platform Development & Engineering Efficiency

- Developed Kubernetes admission controller (Go) for automatic Java Agent injection and Jenkins Pipeline controller using Operator SDK.
- Built alert bus system (Java) integrating Prometheus and Jenkins alerts.

Shanghai DaoCloud Network Technology Co., Ltd — Java Developer

Dec 2017 - May 2020 · Shanghai, China

- Led Kubernetes-native service discovery implementation replacing Eureka; developed service discovery server in Go with K8s API-server watch mechanism.
- Led containerization transformation, creating Helm charts and standardizing deployment processes.

SKILLS

Cloud & IaC: GCP, Alibaba Cloud, AWS · Terraform, Ansible

Container & Service Mesh: Kubernetes, Docker, Helm, Istio

CI/CD & GitOps: Jenkins, GitLab CI, GitHub Actions, ArgoCD, FluxCD

Observability: Prometheus, Grafana, OpenTelemetry, ELK Stack, PagerDuty

Languages: Java (Expert), Golang (Proficient), Python, Shell

EDUCATION

Shanghai Maritime University — Bachelor's Degree in Communication Engineering

Sep 2012 - Jul 2017