

Song Sun

Senior SRE / Platform Engineer · AI Engineer

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SUMMARY

Senior SRE / DevOps engineer with 12+ years across software development and operations, from Python backends to large-scale cloud and bare-metal infrastructure for global brands. Strong in Linux, Kubernetes, AWS, Terraform/Ansible and CI/CD, with a developer's habit of reading source code to find root causes. Since 2023 I have been bringing AI into daily engineering work — AI-assisted coding with GitHub Copilot and Claude, and running and integrating open and commercial LLMs (Qwen, MiniMax, Gemini, Ollama) on Kubernetes-based platforms.

EXPERIENCE

Senior DevOps / SRE Engineer
Oct 2023 – Present

Cognizant · Client: Swiss Re

- Engineer and operate cloud and Kubernetes infrastructure for Swiss Re, a global reinsurance leader, in an enterprise-regulated environment.
- Adopted AI-assisted engineering (GitHub Copilot, Claude) across infrastructure-as-code, scripting and troubleshooting workflows to ship faster.
- Evaluate and integrate LLMs (Qwen, MiniMax, Gemini, Claude) and self-hosted models via Ollama on Kubernetes for internal engineering use cases.

Senior SRE Engineer
2021 – 2022

Talkdesk

- Maintained Talkdesk's AWS production infrastructure for a global cloud contact-center platform.
- Owned Terraform and Ansible codebases provisioning and configuring core services.

DevOps Engineer
2015 – 2021

Wiredcraft

- Designed and built large-scale infrastructure for Dior and Walmart using Kong as the microservice gateway and HAProxy for internal load balancing.
- Delivered HA data layers — PostgreSQL with Patroni/etcd/HAProxy/Keepalived, Redis Sentinel and NSQ clusters.
- Hardened Nginx/HAProxy configs to best practice (modern TLS, HTTP→HTTPS) and deployed Kubernetes, ELK and TICK observability stacks.
- Contributed to open-source tooling including a Python DigitalOcean API client (github.com/wiredcraft-ops) and many Python/Bash automations.
- Clients: Walmart / Sam's Club, Starbucks China, Dior, World Bank Open Data, Myanmar Elections, Etam, PwC, AB InBev.

Python Developer
2014 – 2015

Kanjian Music

- Built APIs with web.py, Django REST Framework and Tornado on MySQL, SQLAlchemy and Redis.
- Designed Twitter-like social features and a model-level caching layer; led the refactor from monolith to microservices.
- Built Scrapy crawlers for content ingestion.

Python Developer & Release Manager
2013 – 2014

Delivery Hero China

- Built an online food-ordering site end-to-end with Django, including GeoDjango/PostGIS delivery zones and Google Maps visualisation.
- Managed releases with Fabric and South migrations; tested with Nose.

EDUCATION

B.A. English Language and Literature
Jianghan University, Wuhan
2007 – 2011

LANGUAGES

Chinese — Native
English — Fluent — daily working language

SKILLS

AI & LLM
GitHub Copilot · Claude · Gemini · Qwen · MiniMax · Ollama · omp · Prompt engineering · AI-assisted development · LLM integration · Self-hosted LLMs on Kubernetes

CLOUD & PLATFORM
AWS (EC2, EKS, ECS, S3, RDS, VPC, IAM, Route53, CloudFront) · Kubernetes · Docker · Podman · Terraform · Ansible · Packer · Alicloud · DigitalOcean

SRE & OBSERVABILITY
Prometheus · Grafana · TICK · ELK · Zabbix · HA design · Incident response · Capacity planning

CI/CD & SECURITY
GitHub Actions · GitLab CI · Jenkins · Harbor · HashiCorp Vault · Teleport · MinIO · GnuPG · TLS

NETWORKING & DATA
Nginx · HAProxy · Kong · Keepalived · Varnish · PostgreSQL (Patroni) · MySQL · Redis (Sentinel) · Elasticsearch · NSQ

LANGUAGES
Python · Bash · Go · C · JavaScript · Java

INTERESTS

Open source · Piano music · Swimming · Reading