

# Resume

## Personal Information

- **Name:** Pan Haitao
  - **Location:** Shanghai, China
  - **Current Status:** Available for work
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  - **Languages:** Chinese (native), English (conversational)
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## Desired Roles

DevOps Engineer / SRE / Platform Engineer / Infrastructure Engineer

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## Professional Summary

- 14 years of IT industry experience across manufacturing, finance, telecom, and internet sectors.
  - Proficient in **Linux, Kubernetes, Docker, Ansible, CI/CD, IaC (Terraform/Pulumi/Ansible)**.
  - Extensive experience in **distributed system architecture, hybrid cloud, automation, and observability (NPM, APM, eBPF, logs/metrics/traces)**.
  - End-to-end expertise from **OS customization → container platform delivery → multi-cloud architecture → enterprise DevOps platform implementation**.
  - Recently focused on **AIOps (AI Agent, RAG, intelligent operations)**, combining GitOps and observability to enable intelligent automation.
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## Skills Overview

- **Cloud Platforms:** AWS, GCP, Azure, AliCloud
- **Containerization & Orchestration:** Docker, Kubernetes
- **Infrastructure as Code (IaC):** Terraform, Pulumi, Helm, Ansible
- **CI/CD & Automation:** GitHub Actions, GitLab CI, Jenkins, GitOps (ArgoCD, FluxCD)
- **Programming:** Python, Shell; familiar with Go, Rust, JavaScript

- **Observability & Monitoring:** Prometheus, Grafana, Elasticsearch, DeepFlow APM, Datadog
  - **DevOps Highlights:**
    - IaC automation (Terraform/Pulumi across AWS/GCP multi-cloud)
    - Cross-platform builds (desktop: macOS/Linux/Windows; server-side containerized apps)
    - End-to-end automation (build → test → release → GitOps deployment)
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## Focus Areas

- Enthusiastic about open-source contributions (Rust/Go cloud-native tooling).
  - Focused on **multi-cloud automation** and **observability platform engineering**.
  - Exploring **AI + Operations (RAG, AgentOps, intelligent monitoring)**, applying eBPF, vector databases, and GitOps in real-world projects.
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## Education

Period	Degree	Institution	Major
2006.9 - 2010.6	B.Sc.	Changchun Institute of Tech	Electrical Engineering & Automation

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## Open Source Projects

- **XControl:** Unified management platform (integrates XConfig / XCloudFlow / XScopeHub / Xstream), with web console support.
  - **XConfig:** Rust Agent-driven DevOps orchestrator for modular deployment and configuration automation.
  - **XCloudFlow:** Multi-cloud automation framework for continuous infrastructure provisioning and orchestration.
  - **XScopeHub:** Observability suite (Vector / OpenTelemetry / PostgreSQL), combined with AI OPS Agent for nearline ETL and trace analysis.
  - **Xstream:** Dart-based cross-border acceleration and connection management client.
  - **Navi:** Desktop AI assistant for task guidance, tool orchestration, and knowledge Q&A.
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## Work Experience (DevOps Focus)

### Beijing Yunshan Century Network Technology Co., Ltd. —Senior Support Engineer 2024.11-2025.09

- **Tech Stack:** Linux, Kubernetes, DeepFlow, NPM & APM, eBPF, Hybrid Cloud
  - **Responsibilities:** Deploy, tune, and maintain observability systems; optimize data collection and query performance; deliver AI Agent PoCs and hybrid cloud observability solutions.
  - **Key Achievements:**
    - Syngenta Finance: Optimized collector performance, resolved high-throughput packet loss, supported DF Server scaling & migration, delivered standardized O&M handbook.
    - COSCO Shipping: Delivered **AI Agent PoC for system inspection and root cause analysis**, including containerized deployment and QA validation.
    - Maitan & other clients (utilities/telco): Delivered **Layer-7 tracing and API monitoring** solutions.
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### Tesla (Shanghai) Co., Ltd. —Site Reliability Engineer (SRE) 2024.01-2024.05

- **Tech Stack:** Linux, Kubernetes, GitHub Actions, GitOps (ArgoCD), Ansible, Helm, Jenkins
  - **Responsibilities:** Ensure reliability of production systems and Kubernetes clusters, build automated CI/CD pipelines.
  - **Key Achievements:**
    - Built **Jenkins pipelines** to automate deployment & upgrade of industrial control systems (Ignition), improving edge system delivery efficiency.
    - Set up **ArgoCD + GitHub Actions CI/CD pipelines** for ITSM and DMP systems, enabling fully automated delivery.
    - Created **Ansible Playbooks** for Grafana as code, ensuring reproducible monitoring and alert configurations.
    - Re-engineered release pipelines using **GitHub Actions + ArgoCD**, improving deployment security and consistency.
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### **H3C/Huaxun Network Systems Co., Ltd. –Senior Cloud Solutions Architect 2022.03–2023.10**

- **Tech Stack:** AWS/AliCloud, Terraform, Pulumi, GitLab CI, GitOps (FluxCD)
  - **Responsibilities:** Led cloud migration, IaC module development, and GitOps adoption; delivered enterprise DevOps platforms.
  - **Key Projects:**
    - Roche: Re-architected AWS EKS Terraform modules with full lifecycle automation (migration, upgrade, add-ons).
    - Syngenta Seeds: Delivered AWS EKS + GitLab DevOps platform, with **IaC pipelines** and **application delivery pipelines**.
    - Union Century: Designed AWS + Tencent Cloud hybrid solution, delivered **cross-cloud observability** and Keycloak-based SSO integrated with GitOps pipelines.
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### **UCloud Technology Co., Ltd. –Senior Solutions Architect 2020.07–2021.11**

- **Tech Stack:** Cloud Migration, Kubernetes, Hybrid Cloud, CI/CD, Ansible, Python
  - **Responsibilities:** Designed and delivered hybrid cloud solutions, optimized Kubernetes operations and CI/CD pipelines.
  - **Projects:**
    - GrowingIO: Designed smooth LB migration with Ansible-based load testing under high concurrency.
    - Blockchain Client: Developed Python+API automation to provision 1000+ VMs, enabling elastic compute at scale.
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### **Alauda Cloud Technology Co., Ltd. –Delivery Engineer 2018.05–2020.06**

- **Responsibilities:** Upgraded and maintained container platforms, implemented **DevOps pipeline improvements**, provided **PaaS solutions** for financial clients.
  - **Achievements:** Led multiple upgrades of Everbright Bank's container platform, implemented CI/CD pipelines, improved automation and security.
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**Deepin Technology Co., Ltd. –Software Engineer 2015.05–2018.04**

- **Tech Stack:** Linux, Docker, Jenkins, Python, Shell
  - **Achievements:** Participated in **Deepin Server OS V15** development, built automation scripts for packaging and CI/CD, reduced release cycle by 30%.
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**Knownsec Technology Co., Ltd. –Operations Engineer 2013.11–2015.04**

- Maintained CDN & IT infrastructure, developed automation scripts, implemented monitoring (Nagios), improving reliability.
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**China Standard Software Co., Ltd. –Software Engineer 2011.05–2013.04**

- **Tech Stack:** Linux, Koji, RPM, Shell
- **Achievements:** Built **Linux distribution automation system (build/packaging)** and released national OS versions.