Johnny Tao

IT Consultant & Automation Developer

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SUMMARY

Experienced IT professional and developer with 20+ years spanning infrastructure, DevOps, and full-stack development. Specializes in automation platforms, API integrations, and cloud solutions across multiple countries and industries.

EXPERIENCE

IT Consultant
2020 - Present
Niagara Linux

Design, plan, and implement IT Solutions for businesses and non-profit organizations. Assess clients' needs and recommend appropriate services. Provide ongoing support and training.

Key Projects:

- **Centralized Backup Monitoring & Log Analytics Platform**
  Tech: Python, FastAPI, Alpine.js, Cloud Logging
  Built centralized backup monitoring solution that forwards logs to cloud-based log server with intelligent filtering and event analysis. Features client search, backup type categorization, and automated alert rules. Simplified management enables junior technicians to handle operations, reducing costs for IT provider client.

- **Automated Patching Reporting System**
  Tech: Python, FastAPI, Alpine.js, API Integration
  Developed automated reporting solution that pulls data from patching software APIs, processes host and client information, and generates dual-purpose reports: detailed technical status reports for IT teams and billing reports for accounting. Built with FastAPI backend and Alpine.js frontend.

- **Cloud Platform Integration Bridge**
  Tech: Python, FastAPI, REST APIs, Cloud Integration
  Built API-first bridge layer connecting cloud-based network monitoring and security platforms for IT provider client. Automated asset synchronization, asset type identification, and credential management for streamlined client onboarding using async FastAPI architecture.

- **Linux/Unix Infrastructure Automation Platform**
  Tech: Ansible, Python, ITGlue API, Linux/Unix
  Developed comprehensive Ansible automation platform for system management with ITGlue API integration for centralized configuration, automated patching workflows, and deployment orchestration.

- **Law Firm Secure Remote Access Solution**
  Tech: PowerShell, WireGuard, AWS EC2, Windows Server
  Enterprise-wide automated deployment solution for law firm client. Built PowerShell automation that detects VPN connectivity status and automatically launches WireGuard connection program if disconnected. Deployed across all staff workstations to ensure secure access to AWS-hosted applications.

Senior Infrastructure Engineer / Team Lead
2017 - 2019
LOHO Games, Inc.

Responsible for IT infrastructure design, implementation, and optimization. Supported Jenkins CI/CD, Git, Docker. Participated in ISO 27001 implementation.

Information Technology Operations Manager
2014 - 2016

KOD Games, Inc.

Responsible for online operation of mobile game products across multiple regions. Led IT Operations team for game server operations. Developed automation deployment solutions.

Senior Systems Engineer 2011 - 2014
iClick Interactive Asia Group Limited

Managed 1000-node online advertising platform clusters across multiple data centers. Operated DSP, SEM, ADX, RTB platforms. Maintained Hadoop, Greenplum, Redis, MySQL clusters.

Network Operations Center Supervisor 2010 - 2011
UTV Ignition Games (Disney)

Led Beijing NOC team responsible for Tier1 and Tier2 MMORPG game servers in North American data centers. Game server monitoring and reporting.

EDUCATION

College Diploma - Computer Science 2019
Beihang University

SKILLS

Python Programming | Full-Stack Development | API Development | FastAPI | Linux Systems Administration | IT Automation | Infrastructure as Code | Infrastructure Monitoring | Docker | Ansible