

# Alan Guerrero *Senior DevOps Engineer*

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Highly skilled Senior DevOps Engineer with 3+ years of experience designing and implementing disaster recovery plans, developing CI/CD pipelines, and leading teams of junior engineers. Proven track record in improving system performance by up to 30%, reducing deployment time by 70%, and automating operational tasks to improve team productivity by 40%. Adept at researching and evaluating new technologies to reduce operational costs and improve system uptime.

## 📁 Professional Experience

02/2021 – 05/2023

Grosvenor Rd, Ripley  
DE5 3JE, UK

### **Senior DevOps Engineer, JHC Security LTD**

- Designed and implemented a disaster recovery plan that reduced system downtime by 50% and ensured business continuity during critical outages.
- Collaborated with development teams to implement a scalable infrastructure that supported a 40% increase in user traffic and improved system performance by 30%.
- Lead a team of 5 junior DevOps engineers, providing mentorship and guidance that resulted in a 25% improvement in team productivity.
- Managed code deployment and real-time database, and configured index and security rules to make sure 100% security and improve the performance.
- Highly experienced with AWS EC2, S3, API Gateway, Lambda and EBS for better performance and scalable infrastructure.
- Monitored infrastructure using ELK Stack, Prometheus, Grafana

08/2019 – 02/2021

Marina Boulevard,  
Singapore

### **DevOps Engineer and Cloud Computing, Capgemini Singapore Pte. Ltd.**

- Developed and maintained CI/CD pipelines for 10+ applications, reducing deployment time by 70% and minimizing production issues by 50%.
- Implemented security measures that protected applications and services from cyber threats, resulting in a 90% reduction in security incidents.
- Developed and maintained system performance metrics and dashboards that provided real-time insights into system health, improving system availability by 25%.
- Implemented the private cloud - IaaS, PaaS using the OpenStack, OKD.
- **Skills:**

- Cloud Computing: OpenStack, OpenShift(docker, kubernetes-k8s), virtualization, hypervisor - KVM
- Network and Security: VXLAN, Open vSwitch, OpenShift SDN, Overlay Network, NeuVector

08/2016 – 08/2019  
Mapletree Business  
city, Singapore

#### **Network Engineer, Terato Tech**

- Designed and implemented an automated monitoring system that identified and resolved system performance issues in real-time, reducing system downtime by 60%.
- Developed and maintained scripts and tools to automate operational tasks, reducing manual effort by 80% and improving team productivity by 40%.
- Researched and evaluated new technologies to improve system performance and reliability, resulting in a 30% reduction in operational costs and a 20% improvement in system uptime.
- Highly specialized in writing impact SQL queries and using triggers in DB management.
- Implemented the services: AD/DNS, DHCP, iSCSI, VPN
- **Skills:**
  - Network Management: network infrastructure - network hardware and infrastructure such as routers, hubs, servers, VPNs, and switches

## Skills

### **AWS**

Lambda, EC2, API Gateway



### **Database**

MySQL, MongoDB, PostgreSQL



### **CI/CD**

Jenkins, AWS EC2 Lambda, GitHub



### **Cloud Services**

Hypervisor, IaaS, PaaS, Nexus Repository, Docker, Kubernetes



### **Network Management**

infrastructure, equipment, VPN, VLAN, VXLAN, Open vSwitch, OpenShift SDN, Overlay network



### **Python**

Django, TensorFlow, Keras



### **Cryptography**

Cryptosystem, Digital Signature, Authentication, Attacks model



### **OS**

WinServer, Linux(CentOS, Ubuntu )



## Education

08/2011 – 08/2016  
California,  
United States

**Bachelor's degree of Computer Science, Bachelor's degree Mathematics(Cryptography), University of Southern California**