

# Jim Bloomquist

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## Career Summary & Objective

An experienced network security engineer, with background in event and film / television production, network implementation, network security, telecom deployments, audio visual systems, and server / storage administration. I am a detail-oriented team player, a self-starter, and excel at completing complex tasks on schedule. I am seeking a challenging position in a network / production engineering role with an opportunity for professional growth.

## Professional Experiences

### Principal / Senior Engineer - Freelance

2016 – Present

**Location Connect / Tech Knowledge**, Santa Fe Springs, California  
**Rockstar Networks**, New York, New York

Principal / Senior Network and Security Engineer:

- Designed and implemented complex video / streaming optimized networks for film, television, corporate events, and festivals.
- Deployed converged networks for data storage, video streaming, content storage, voice, and lighting control for numerous television and corporate productions.
- Designed and deployed internet access solutions for film, television, corporate events, and festivals using a variety of technologies including Fixed Wireless (Microwave), Satellite, Cellular, and Terrestrial providers.

### Principal Network Security Engineer / ISA III

2016 – 2022

**Confire Joint Powers Agency**, Rialto, California

Infrastructure and security team lead & network architect for Confire JPA - Managed a complex network and security infrastructure including over 60 fire stations, numerous administrative locations, and two 911 dispatch centers covering the largest county by area in the USA.

### Senior Network Engineer / Consultant

2013 - 2016

**Willing Minds LLC**, Anaheim, CA

- Designed, installed, and maintained complex wired and wireless networks.
- Implemented network security equipment included Firewalls, IDS/IPS, and Content Filters.
- Performed network security assessments for a variety of clients.
- Implemented network monitoring solutions to ensure network stability.
- Developed IT resiliency and continuity plans for client network and server infrastructure.

### Network / IT Technician

2008 – 2013

**Tech-Knowledge Inc.**, Pasadena, California

Deployed Permanent and Temporary Managed Network / Telecom Solutions:

- Determined client needs for network install, developed deployment plan.
- Deployed fixed wireless and wired networks with a focus on resilience and security.
- Deployed telecom & VoIP systems for a variety of client needs.
- Deployed video streaming optimized networks.
- Installed switching, routing, and firewall infrastructure.

## Experience:

### Content Distribution:

NDI  
H.264 H.265  
OTT Video Streaming  
SDI over Fiber  
Point to Point Microwave  
Peplink SpeedFusion  
Teradek Bolt  
Teredek Cube

### Content Storage:

Pronology rNAS  
Windows Server  
QNAP / Synology  
Cloud (Dropbox / Onedrive)

### Wireless Platforms

Multi-Vendor Wi-Fi  
Ubiquity Wireless  
Motorola Two-Way  
Push2Talk over Cellular  
Point to Point Microwave  
Cradlepoint Cellular  
Satellite Data Solutions  
Starlink Satellite

### Frequency Coordination:

Wireless Microphones  
Video Transmission  
Two-Way Radio Systems  
Wireless Intercom  
Wi-Fi

### Security Platforms

Cisco  
Peplink  
Sonicwall  
Websense  
Nessus

### Network Operating Systems

Cisco IOS  
Ubiquiti UISP  
HP ProCurve  
HP Comware  
Dell Networking

## Jim Bloomquist Professional Experiences (Continued)

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**Freelance AV / Production / Projection / Network** 1997 – 2007  
Various, Huntington Beach, California

- Permanent and temporary installs of audio visual and network infrastructure.
- Projectionist for major concert tours and events.
- Video engineering for events, concerts, tours, and corporate events.
- Per client needs, developed implementation plans including equipment and labor resources.
- Onsite management of equipment installation and staff resources.
- Audio visual equipment setup, maintenance, and operation.

## Activities

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**Member / Trainer / Leadership - Emergency Telecom / Datacom Team**  
California Governor's Office of Emergency Services – 2003 - Present

- Liaison with a variety of state, county, local, and NGO staff members to implement emergency response plans.
- Assisted in the development and testing of Disaster Recovery plans and procedures.
- Manage and train reserve staff in the operation and deployment of a wide variety of the agency's voice, video, and data communications equipment.
- Deploy field telecom, satellite internet, wireless network access, VoIP, video conferencing, and two-way radio infrastructure as needed by the agency's mission.

## Certifications (Current)

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- CISSP - Certified Information Systems Security Professional | (ISC)<sup>2</sup>
- Cisco Certified Network Associate (CCNA)
- CWNP - Certified Wireless Technology Specialist Certification (CWTS)
- FEMA – Emergency Management (ISP) Courses – 100, 101, 200, 230, 700, 800

## Education

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**Associate of Arts, Information Technology & Computer Networking**  
University of Phoenix, Costa Mesa, CA

**Coursework in General Education, Programming, Information Technology**  
Cypress College, Cypress, CA

**Associate of Science, Electronic Engineering Technology**  
ITT Technical Institute, Buena Park, CA

### Monitoring Platforms

Nagios  
Solarwinds  
Logic Monitor  
Kaseya  
Observium  
Spiceworks

### Operating Systems

Windows 10,11  
Windows 2016 Server  
Windows 2019 Server  
Mac OSX  
IOS (Iphone OS)  
IOS (Cisco)  
Linux

### Other Skills

Firewall Configuration  
Emergency Management  
Disaster Recovery Planning  
Network Security Reviews  
Wireless Networking  
Fixed Wireless Networks  
Frequency Coordination  
Project Management  
Switch Configuration  
Router Configuration  
Server Configuration  
VoIP / PBX Implementation  
Video Streaming  
Converged Networks  
Server Administration  
Field / Temp Network Installs  
Physical Security  
Telecom Cabling  
Network Cabling  
Audio / Visual Cabling  
Electrical Systems  
Electronic Repair  
Technical Training  
Technical Writing  
2-Way Radio Networks  
Audio/Visual Equipment

### Languages

English (Fluent Read/Write)

### Miscellaneous

Extra Class Radio License