

Cash Ferguson

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SUMMARY

Data center **capacity deployment** leader with 11 years of experience moving large scale compute and **network** infrastructure from construction readiness through **ready for service** across colocation and partner operated facilities. Hands on work covers accelerator racks, high density compute, receiving, integration QA, power on, **network turn up**, burn in, telemetry validation, acceptance, and production handover. Directs OEMs, site partners, vendors, and contract workforces through daily priorities, quality gates, milestone schedules, and corrective actions. Technical depth includes server and rack hardware, optics, high speed interconnects, dense cabling, liquid cooled infrastructure, ticketing, telemetry, and readiness controls. Established new data hall operations, introduced changing accelerator platforms, and converted field lessons into repeatable procedures, acceptance standards, checklists, and metrics. Connects field evidence with engineering, capacity planning, facilities, and production operations decisions.

EXPERIENCE

Director, Capacity Deployment

January 2023 to Present

VectorPeak Infrastructure

Phoenix, AZ

Owns deployment outcomes for accelerator capacity across **partner operated data centers**. Leads readiness, delivery, integration, validation, acceptance, and handover across multiple halls, while directing OEMs, vendors, contract teams, engineering, facilities, and capacity planning stakeholders.

- Owned accelerator capacity outcomes from construction readiness through hall and capacity unit acceptance.
- Led readiness reviews covering **floor access**, receiving paths, power, network, facilities, staffing, and sequencing.
- Directed OEM and vendor teams through receiving, **integration QA**, **power on**, network turn up, burn in, and validation.
- Validated acceptance gates with ticket, schedule, telemetry, documentation, spares, and maintenance evidence.
- Introduced wave checklists and **quality gates** for liquid cooled racks and dense optical interconnects.
- Reported constraints, **corrective actions**, readiness decisions, and schedule risks to executive stakeholders.

Senior Deployment Lead

April 2020 to December 2022

Summit Compute Operations

Dallas, TX

Led multi site compute and network deployments in colocation facilities, coordinating concurrent data hall waves from hardware delivery through ready for service. Managed OEMs and **contract workforces** while improving scorecards, acceptance criteria, and operational handover practices.

- Led multi site compute deployments across concurrent data hall waves through **ready for service** milestones.
- Managed OEM crews against rack plans, cabling standards, QA criteria, turn up sequences, and recovery priorities.
- Audited server, network, rack, optics, and cabling quality against ticket and **telemetry** records.
- Supported first deployment in commissioned halls by closing **receiving**, **power**, network, spares, and documentation gaps.
- Built deployment scorecards and exception reviews that gave leaders early milestone risk visibility.
- Converted wave lessons into procedures and **acceptance** criteria for a second accelerator platform.

Data Center Deployment Manager

June 2017 to March 2020

Red Mesa Data Systems

Albuquerque, NM

Managed rack scale server and network deployments for high density customer environments. Coordinated site operations, vendors, logistics, facilities, and technical teams across delivery windows, integration QA, **burn in**, corrective action, closeout, and production handover.

- Managed rack scale **server** and network deployments across high density customer environments.
- Planned delivery windows, floor staging, rack placement, cabling, power sequencing, and **network turn up**.
- Established QA checks for **optics**, cable routing, labels, power connections, inventory, and **rack integration**.
- Led vendor corrective action reviews when quality or schedule performance missed agreed gates.
- Used ticket and monitoring data to separate deployment defects from infrastructure dependencies.
- Developed closeout packages with as built records, open items, **spares**, and handover documentation.

Data Center Hardware Lead

July 2015 to May 2017

Canyon Ridge Technology Services

Tempe, AZ

Led technical crews installing and validating server, storage, and network racks in enterprise and colocation data centers. Set daily priorities, verified field quality, supported turn up troubleshooting, and prepared accurate records for operations handover.

- Led crews installing and validating server, storage, and network **racks** in active **facilities**.
- Verified rack elevations, power connections, copper, fiber, labels, optics, and network connectivity.
- Coordinated **receiving** and staging from loading areas into assigned rows without disrupting operations.
- Supported power on and **network turn up** troubleshooting for **hardware** and upstream network faults.
- Maintained installation tickets, serial inventories, QA findings, and handover records for operations teams.

- Set daily priorities and coached technicians on field quality standards during deployment work.

PROJECTS

Liquid Cooled Accelerator Hall Readiness 📅 2026

Created a repeatable readiness model for liquid cooled accelerator halls, connecting floor access, receiving, power, network, staffing, QA, burn in, acceptance, and production handover evidence.

Multi Site Deployment Scorecard 📅 2024

Built a scorecard linking schedules, tickets, telemetry, exceptions, quality gates, corrective actions, and leadership reviews across concurrent data hall waves.

LEADERSHIP & AWARDS

- Recognized by executive leadership for consistent ownership of accelerator deployment readiness across partner operated facilities.
- Received program recognition for converting field lessons into wave checklists, acceptance standards, and corrective action reviews.
- Selected to guide first deployment activities in newly commissioned data halls and support introduction of a second accelerator platform.

EDUCATION

Bachelor's Degree in Information Technology

2015

Arizona State University GPA: 3.5

Tempe, AZ

Coursework: Data center operations, network infrastructure, systems administration, information security

CERTIFICATIONS

- Data Center Certified Associate 📅 2018
- Cisco Certified Network Associate 📅 2019

TECHNICAL SKILLS

- **Data Center Operations:** Ready for service, colocation operations, data hall operations
- **Accelerator Infrastructure:** GPU racks, accelerator systems, high density compute
- **Rack Hardware:** Server hardware, rack integration, rack placement
- **Network Hardware:** Network hardware, optics, high speed interconnect
- **Cabling Systems:** Structured cabling, copper cabling, fiber cabling
- **Cooling Systems:** Liquid cooling, liquid cooled racks, facility cooling
- **Deployment Quality:** Integration QA, acceptance standards, quality gates
- **Deployment Validation:** Power on, network turn up, burn in
- **Operational Data:** Telemetry, ticketing, schedule data
- **Partner Delivery:** Vendor management, OEM management, contract workforces
- **Handover Controls:** Production handover, maintenance readiness, spares
- **Process Management:** Readiness checklists, corrective actions, deployment metrics

SKILLS

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|--------------------------|--------------------|--------------------|---------------------|
| • Ready for service | • GPU racks | • Rack integration | • Burn in |
| • Capacity deployment | • Liquid cooling | • Integration QA | • Telemetry |
| • Data center operations | • Server hardware | • Power on | • Vendor management |
| • Accelerator systems | • Network hardware | • Network turn up | |

PROFESSIONAL AFFILIATIONS

- Data Center Operations community participant focused on deployment quality, handover readiness, and facility execution.
- Network engineering collaboration partner supporting optics, high speed interconnects, structured cabling, and rack scale turn up.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST