Aviran Vargas

Data Center Engineering & Management Specialist

Contact

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Work Experience

EZ Blockchain - Chicago, IL

Data Center Operations Director,

September 2025 to Present

- ✓ Directed strategic operations across multiple cryptocurrency mining data centers, achieving 95% hashing uptime and driving scalability for 208 MW of capacity.
- ✓ Developed and enforced company-wide processes and procedures, optimizing logistics, RMA, and site reliability to reduce operational costs by up to 7%.
- ✓ Implemented SOC II Type 2-compliant cybersecurity frameworks, ensuring robust protection of client data and mining operations across all sites.
- ✓ Oversaw financial and operational reporting, delivering actionable metrics on expenses, profitability, and hash rate performance to guide executive decisions.
- ✓ Negotiated strategic vendor contracts with ISPs, ASIC manufacturers, and energy providers, securing cost-effective terms to support operational growth.
- ✓ Directed workforce planning, hiring, and training programs, fostering a high-performance culture across site supervisors, technicians, and support staff.
- ✓ Spearheaded deployment of automated monitoring systems (e.g., DCIM, Foreman, OptiFleet), minimizing downtime through real-time network and environmental oversight.
- ✓ Engaged with key clients to deliver high-quality service, conducting audits and presenting performance reports to enhance retention and satisfaction.
- ✓ Led infrastructure expansions, managing budgets and timelines for new Smartbox deployments and facility upgrades to meet growing demand.
- ✓ Optimized cooling and airflow strategies through advanced studies, improving equipment longevity and hashing efficiency.
- ✓ Served as the final escalation point for critical operational and client issues, ensuring rapid resolution to maintain uptime and business continuity.
- ✓ Forecasted market trends in Bitcoin and energy costs, guiding strategic investments in hardware and processes to maintain competitive advantage.
- ✓ Drove company growth through operational excellence, streamlining processes and enhancing customer interactions to boost revenue and reputation.

Data Center Operations Manager, Operations & Site Reliability

October 2021 to Sept. 2025

- ✓ Oversee, Manage & Improve Daily Hosting Site & Company Operations
- ✓ Oversee, Manage & Improve Site Reliability Engineering
- ✓ Audit Site Conditions to ensure safety, productivity & team morale
- ✓ Develop, Validate, Implement & Improve Operational, RMA & Logistics Processes and Procedures
- ✓ Stay abreast of daily hashing, pool, BTC transactions, financials for hashing ASICs
- ✓ Develop Automation for all repeatable Data & Reporting
- ✓ Maintain Network for Hosting Sites, including Security, Monitoring & Budget
- ✓ Managed computer Blockchain Mining equipment, network, employees.
- ✓ Maintained Inventory, Built white-box systems for retail sale.
- ✓ Grew revenue by implementing quick turnaround and high-quality customer interaction.
- ✓ Traveled to client locations for audits, employee meetings, customer relations.
- ✓ Created documentation for Operations plan which included all aspects of Data Center P&P
- Billed onsite and remote clients for hardware and labor.
- ✓ Hired, trained, managed, and terminated employees
- ✓ Created Metrics for expenses, profitability & daily reports
- ✓ Monitor all aspects of Bitcoin Mining Sites including Network, ASICs, Support Hardware
- Ensure Technicians, Supervisors, Managers & Support Staff follow established P & P
- Create Operational Manual which encompasses all aspects of Site BTC Mining
- ✓ Escalation Path for Resolving all issues
- Establish and Ensure Critical Maintenance Processes and Procedures
- ✓ Review all Daily, Weekly & Monthly Metrics for Power, Hashing, Operations & other as needed
- ✓ Create Metrics for Expenses, Profitability, Forecast, Employee, BTC Hash & Daily Reports
- Layer 1 OSI Network Expertise including Computer Environmental, Placement & Cooling
- ✓ Airflow Management, Studies & Improvements for more efficient ASIC cooling & Hashing
- ✓ Vendor Management including ISP, VAR, ASIC Manufacturer & Support Software
- ✓ Grew Company through improvements in Operations & Process & Procedures

Comcast Data Center Services - Northlake, IL

Lead Engineer (Engineer III), <u>Data Center Infrastructure Services</u>

June 2011 to Oct. 2021

- ✓ Manage team of 13 Data Center Engineers on a 24/7 & 365 day basis;
- ✓ Manage Coverage, Holidays, 24/7 schedule for Central Team;
- Interview Candidates for Engineering positions;

- ✓ Hold daily calls with Nationwide teams to ensure project compliance & SLA;
- ✓ Manage requests for all Field Engineer access to DC & Limited badge access;
- Oversee all DC activity including compliance with Project SLA, Process & Procedure, Tier I support;
- ✓ Communicate with SLT on SLA, Process & Procedure compliance, metrics data;
- ✓ Supervise Server & Switch decommissions; Installs, Migrations;
- ✓ Review / Approve all Infrastructure installs to production DC environment;
- ✓ Oversight of Ascent (local facilities) Planned Maintenance Schedule and Operation;
- ✓ Create DC Manuals, Procedures, Standards in Cabling, Tier I, Install & decommission expectations;

Chicago Mercantile Exchange - Chicago, IL / Naperville, IL

Engineer, Data Center Infrastructure Engineer

Jan. 2010 to June 2011

- ✓ Data Center Day to day operations;
- ✓ Deployed Servers for Company use for Multiple Environments and Applications;
- ✓ Worked with Several Environments on D/R, PROD, and other Applications;
- ✓ Connected Ethernet Cables from Server Cabinets to MDF's to meet with Switches;
- ✓ Tested and Certified all connections with copper/fiber testing tools, e.g. Fluke DTX;
- ✓ Documented all server connections in proprietary documentation software;
- Maintained, categorized and organized inventory of daily equipment used for all work;
- ✓ Tested and documented Fiber Light level;
- ✓ Installed Fiber Connections between Servers and Switches;
- ✓ Performed installation and provided technical support for servers, switches, routers, SAN storage; devices, and networking devices along with all relative hardware and copper/fiber cabling;
- ✓ Maintained organization and cleanliness of data center;
- ✓ Worked directly with other IT groups to gather requirements and plan out installations;

Kiddie Kandids Portrait Studios - IL, IN, MO, WI

Central Lead, IT Support

Feb. 2000 to Jan. 2010

- Managed over a dozen local and remote studio computer equipment and small networks;
- ✓ Analyzed all issues (Software and Hardware) and handed them off to appropriate levels;
- Assessed Customer issues as well as Studios issues for proper review;
- ✓ Analyzed best method of dealing with escalating situations and deescalated them.
- Managed all inventories for over a dozen local and remote studios
- ✓ Worked with DELL, PHOTOGENIC, APPLE, and other business for equipment RMA;
- Installed all new PC and Macintosh Hardware and networked all computers together;
- ✓ Created, documented and implemented technical training for studio associates;
- ✓ Hands on management with all studio associates;
- ✓ Remote tech support via telephone and Static IP software (Timbuktu; VNC);
- ✓ Developed and implemented basic install routines for fellow technicians;
- ✓ Traveled out-of-state 30% of the time on routine maintenance and emergency break/fix issues

Cathedral Computer Consultants - Chicago, IL

Manager, Owner

Sept. 1996 to Jan. 2000

- ✓ Managed computer repair shop equipment, network, employees;
- ✓ Maintained Inventory, Built white-box systems for retail sale;
- ✓ Experience with cable pulling (Cat 3, 5, 6) terminating and punch down on phone blocks
- ✓ Repaired wide array of computer issues including APPLE, laptops, game consoles;
- ✓ Grew revenue by implementing quick turnaround and high quality customer interaction;
- Resolved all customer issues quickly and beneficially to business and client;
- ✓ Traveled to client locations for break/fix issues;
- ✓ Troubleshooting experience with PC & assorted peripherals;
- ✓ Billed onsite and remote clients for hardware and labor;
- ✓ Hired, trained, managed and terminated employees

Languages:	Spanish (fluent)	English (fluent)
Certifications:	Microsoft Office Specialist - Excel 2019 Expert	