BRIAN TURNER | 5551 Limeric Cir., Wilmington, DE, 19808 | 901-489-1806 |
drb0455@gmail.com | turnercloudsolutions.com

AWS and Cisco trained IT professional with proven ability in data center operations, capacity planning, and data analytics. Strong problem-solver with demonstrated troubleshooting skills.

EDUCATION AND TRAINING

PhD, Chemistry, University of Louisville, Louisville, KY
MS, Chemistry, University of Louisville, Louisville, KY
BS, Chemical Engineering, Christian Brothers University, Memphis, TN

AREAS OF STRENGTH AND EXPERTISE

- **Data Analytics**
- **Power Management**
- **Training**
- **SQL**
- **Cloud Architecture**
- **Data Visualization**
- **Data Quality**
- **Capacity Management**
- **Alteryx**
- **Tableau**
- **Troubleshooting**
- **Asset Management**
- **Data Pipelines**
- **Cloud Implementation**
- **Data Center Operations**
- **Python Scripting**
- **Amazon Web Services (AWS)**
- **Technical Writing**

CERTIFICATIONS

- **AWS Certified Data Engineer Associate** | Amazon Web Services (2024-present)
- **AWS Certified Developer Associate** | Amazon Web Services (2024-present)
- **AWS Certified Solutions Architect Associate** | Amazon Web Services (2023-present)
- **AWS Certified Cloud Practitioner** | Amazon Web Services (2023-present)
- **Alteryx Designer Core Certification** | Alteryx (2023-present)
- **Cisco Certified Network Associate** | Cisco (2018-2022)

PROFESSIONAL EXPERIENCE

JP Morgan Chase & Co. **2025-present**
Randstad Digital, Wilmington DE (under contract to JP Morgan Chase) **2018-2025**

Data Center Capacity Engineer ***2021-present***
Responsible for placement new rack-mounted devices and pre-built "roll-in" racks of IT equipment on the data center floor, accounting for availability of space, power, and network infrastructure. Employed data analytics and visualization tools to better understand and optimize power and space usage in the data center. Developed plans for new circuit builds in response to demand. Conduct audits of data center space and power to improve estimates of available capacity for future placement. Designed data pipelines to ingest and process vendor-provided power monitoring data into usable space and power available dashboards using Alteryx and Tableau. Ensure data quality. Work very closely with project managers and site team to implement new projects. Write new procedures and short articles for campus newsletter.

Data Center Shift Lead ***2020-2021***
Led a team of three site engineers providing 24/7 support to data centers. Worked closely with management and other teams to ensure continuous operations. Planned work and delegated tasks. Submitted daily reports on project progress. Provided orderly handover of tasks at shift change. Personally trained three new site engineers.

Data Center Site Engineer ***2018-2020***
Provided round-the-clock technical support and troubleshooting for a world-class Tier 4 data center. Racked and stacked network servers, routers, switches, and mass storage devices. Labeled and ran copper and fiber optic cable via overhead cable trays and under raised floor through patch panels. Troubleshooting and diagnostics of server hardware and connectivity. Worked with outside vendors to provide service. Replaced hard drives, power supplies,

RAM, NIC's and other hardware from devices to ensure multiple redundancy and continuous operation. Documented all maintenance and changes using HP Service Manager, ServiceNow, and Jira.

Key Accomplishments:

- Ensured 24/7 uninterrupted operation of a multimillion dollar tier 4 data center during the 2020 pandemic.
- Excelled in customer service to other business units within JP Morgan Chase.
- Updated, maintained and streamlined a database representing the inventory of three data centers (comprising over 50,000 IT assets).
- Developed detailed plans for data center expansion, 150 new racks arriving over a two-year period.
- Led an empty rack decommission project responsible for removing over 150 empty and near-empty racks from our data center floor.
- Designed and implemented Alteryx workflows to summarize data center power usage at PDU and RPP level and optimize placement decisions. Employed Tableau visualizations to better understand power usage trends.

Cisco Network Academy, Delaware Technical Community College, Wilmington, DE 2018
CCNA Student

Selected from among a large pool of experienced applicants to receive accelerated and concentrated training in networking. Areas of mastery include TCP/IP, subnetting, network device configuration and security, IP routing (RIP, EIGRP, OSPF, BGP, and inter-VLAN routing), basic and enhanced switching technologies, network address translation, router redundancy protocols, composition and implementation of access lists, documentation, and troubleshooting. Trained extensively outside class on Cisco equipment (1800, 1900, and 2900 series routers, 2960 switches and 3560 multilayer switches) and Packet Tracer network simulation software. Extensive experience and familiarity configuring Cisco networking devices via command line interface (CLI).

Key Accomplishments:

- Recognized as a leader in my class by instructor and classmates with deep backgrounds in IT.
- Earned CCNA (Cisco Certified Networking Associate) September 7, 2018.

Drexel University College of Medicine, Philadelphia, PA 2006 to 2007
Postdoctoral Researcher

Investigated metal binding properties and structure of endophilin. Prepared DNA templates for site-specific mutation studies. Grew large-scale cell cultures for protein expression and purification. Conducted over 300 crystallization screens to determine optimum conditions for protein crystallization. Maintenance of laboratory instrumentation and equipment calibration.

Key Accomplishments:

- Published a paper on endophilin structure.
- Pioneered metal binding studies of endophilin using isothermal titration calorimetry (ITC).

University of Louisville, Louisville, KY 1999 to 2005
Graduate Research Assistant

Applied diverse methods to the study of conformational changes occurring upon activation of Coagulation Factor XIII. Investigated the interaction of Factor XIII with thrombin and fibrinogen as well as a peptide-based inhibitor. Conducted chromogenic kinetics experiments aimed at characterizing the properties of a peptide based inhibitor of Factor XIII. Routinely applied protein purification techniques for preparation of samples. Taught various lab and recitation sessions. President, Chemistry Graduate Student association, 2001-02.

Key Accomplishments:

- Published 3 peer reviewed papers (2 as first author) widely cited in hematology research.
- First to study Factor XIII activation using hydrogen-deuterium exchange (HDX), revealing structural changes previously unobserved by crystallography.
- Secured a multiyear grant (NIH R01) worth more than $100k.
- Managed chemistry department's MALDI-TOF mass spectrometer, training 20+ users over a 4-year period.
- Revived the Distinguished Lecturer Series by organizing a series of lecturers by Professor Harold Scheraga,