

NATASHA BONDS

[HTTPS://BONDS-PORTFOLIO.COM](https://bonds-portfolio.com)



PROFESSIONAL SUMMARY

Computer Science graduate with hands-on experience in networking, cloud platforms (AWS), and automation tools (Terraform, Ansible, Netmiko, and Python). Strong foundation in traditional and cloud-based infrastructure showcased through video demos and project documentation.

CONTACT

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Portfolio: <https://bonds-portfolio.com/>

YouTube: <https://www.youtube.com/@bonds-tech>

LinkedIn: <https://www.linkedin.com/in/natasha-bonds>

GitHub: <https://github.com/nbonds-tech-portfolio>

TECH PROJECTS

- **Capstone Project with Videos** (see portfolio link)

Computer Networking - *"The Impact of VLANs and STP on Broadcast Storms"*

- **YouTube Channel** (see portfolio link)

Demonstration videos on issues related to tech.

- ***AWS VPC Design and Deployment*** - Deployed a 3-tier architecture with public/private networks, subnetting, and EC2; implemented security groups and routing.
- ***Netmiko, Ansible, and Terraform*** - Automated the process of configuration updates and network inventory assessment on Cisco devices. Deployed full-scale cloud network using Terraform.
- ***Cisco Lab using GNS3 appliances*** within a Type 2 Hypervisor (VirtualBox) to simulate a complete network (hosts, trunked switches, routers, and firewalls.)
- **Tech Blog Articles** (see portfolio link)

Articles on various tech topics, including artificial intelligence, networking, hardware/software performance, and smart homes.

SKILLS: LANGUAGES, DATABASES, NETWORKING, OS, TECH/DEVELOPER TOOLS

- Cloud Platforms & Developer Tools: AWS, APIs, Git/GitHub, Pandas, and VirtualBox
- Networking: LAN/WAN, DHCP, DNS, OSPF, VLANs, Cisco Routers/Switches, ASA firewalls
- Automation: Python, Ansible, Netmiko, Terraform
- Languages: Python, Java, HTML/CSS, SQL, R
- Databases: Oracle, MySQL, SQL Server, Hadoop
- Operating Systems: Linux, Windows
- IT Support: Desktop setup, hardware & software troubleshooting

EDUCATION

Thomas Edison State University, Trenton, NJ - B.A. Computer Science

Introduction to Programming (Java) | C++ Programming | Python Programming | Data Structures

Discrete Mathematics | Operating Systems | Computer Architecture | Computer Networking | Software

Engineering | Database Management



EDUCATION (CONT.)

John Marshall Law School (UIC Law School), Chicago, IL - Juris Doctor (JD)

Hampton University, Hampton, VA - B.S. Finance (Cum Laude)

IT-Related Coursework: Management Information Systems

ACADEMIC HONORS (B.A. COMPUTER SCIENCE)

Arnold Fletcher Award (see portfolio link)

TECH PROGRAMS

Per Scholas | IT Support | CompTIA A+ Certification Preparation

Google | IT Support Certification

WORK EXPERIENCE

United Parcel Service (EWR Airport), Newark, NJ - Admin

Oct 2017 – Present

- Conducts nightly capital asset inventory of the company's land fleet.
- Collaborates with support teams to troubleshoot logistical inefficiencies thereby achieving near-zero package displacement and optimizing workflow accuracy and performance.
- Ensures chain-of-custody for 3,000+ packages daily.

Novartis Pharmaceuticals, East Hanover, NJ - Clinical Data Manager

Oct 2007 – Aug 2008

- Managed Oracle Clinical databases, emphasizing data quality and workflow coordination between teams.
- Conducted system testing and validation processes.
- Ensured database uptime, supporting principles of service reliability and resilience.

Abbott Laboratories, Abbott Park, IL - Clinical Data Manager

Apr 2005 – Jan 2006

- Collaborated with multidisciplinary teams to maintain database accuracy and system availability, reinforcing cross-team collaboration.
- Utilized electronic validation systems.
- Maintained documentation and performed quality assurance for large clinical systems.



WORK EXPERIENCE (CONT.)

Advanced Clinical Research Division, Lincolnshire, IL - Clinical Data Manager

Sept 2002 – Apr 2005

- *Configured databases and conducted rigorous testing protocols.*
- *Maintained version control and quality documentation processes.*
- *Acted as a key liaison to clients to ensure consistent database performance and technical support.*

TAP Pharmaceutical Products, Lake Forest, IL - R&D Paralegal / Planning and Development

Oct 2001 – Sept 2002

- Audited service contracts and ensured policy compliance.
- Liaised with internal stakeholders to manage vendor billing systems and identify gaps.
- Reviewed IT-related documentation and ensured accurate, timely reporting across stakeholders.

Kendle International, Northbrook, IL - Clinical Data Associate

Nov 1999 – Oct 2001

- Oversaw data pipeline accuracy using SAS-based systems.
- Managed discrepancy tracking and resolved issues with cross-functional teams.
- Participated in study setup/closeout.

The University of Chicago, IRB, Chicago, IL - Administrator and Supervisor of Regulatory Compliance

May 1996 – Nov 1999

- Supervised compliance systems, created SOPs, and led operational reviews.
- Implemented standardized review workflows, reinforcing skills in process automation and documentation.
- Advised leadership on system-level compliance strategies.

