

# TARIK DAHNOUN

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## SUMMARY

Infrastructure and Security Engineer with 2+ YoE seeking a formative role to mobilize toward defensive information security. Hands-on experience managing the manufacturing infrastructure used to deploy machine testing at Lenovo's Infrastructure Solutions Group (ISG), leading risk mitigation, vulnerability response, and the distribution of a robust codebase maintaining 100% uptime. Values a strong, social environment that takes pride in building adaptive and cutting-edge technology. Loves Capture the Flag challenges and competitive strategy games.

## PROFESSIONAL EXPERIENCE

**Lenovo Group Limited**, Morrisville, NC

Jun 2019 – Present

**Infrastructure and Security Engineer** (Jun 2020 – Present)

- Deployed a manufacturing stack to monitor 1000+ processes on 300+ machines, structuring a real-time monitoring system to audit system health, network security, and threat management, resulting in improved information security and infrastructure awareness.
- Architecting network, power distribution, and hardware design in a \$300K manufacturing development environment, sparing 1000+ hours in live testing and boosting production inventory to the maximum.
- Implemented a multilayer security stack at site HQ, including virus and malware endpoint protection, regular backup syncs, and service redundancy, modelling the CIA triad best practices and actualizing 1M+ in revenue.
- Administer monthly security assessments and improvements of the infrastructure for 100+ Test Engineers.
- Executed a swift risk assessment and mitigation of attacks, including log4j and cryptojacking malware.
- Overturning hundreds of legacy processes to strengthen Infrastructure as Code expectations, operating at near 100% production uptime.
- Led integration of 3 new employees, grounding a friendly energy, healthy communication, and team unification.

**Supply Chain Test Engineering Intern** (Jun 2019 – Jun 2020)

- Communicated across 3 internal QA groups to develop and secure an SQL database storing 1M+ rows of customer data, automating 1000+ hours in manual effort and engineering an unseen solution in the department.
- Executed a process to pipeline the data into modern BI tools, visualizing trends and providing millions of datapoints in manufacturing insight, cutting down manual labor by 95% and data impact by 2X.
- Directed and trained 50+ QA employees on discovering common fail points in the manufacturing process.
- Shared trends with supply chain leaders and other findings with Fortune 500 customers and suppliers.

**North Carolina State University**, Raleigh, NC

Aug 2018 – Dec 2018

**Nonlinear Artificial Intelligence Lab (NAIL) Research Assistant**

- Conducted research on ML algorithms to predict motion in physics phenomena with 80% accuracy.
- Designed a PoC to render oscillatory motion in Unity and display graphics to a Microsoft HoloLens, initiating research into a \$5M grant proposal.
- Presented the Augmented Reality solution to 2 departments and led the communication across teams.

## EDUCATION

**North Carolina State University**, Raleigh, NC

Aug 2017 – May 2020

Bachelor of Science in Physics, Magna Cum Laude  
CompTia Linux+ Certification (Feb 2022 – Feb 2025)

**Wake Technical Community College**, Raleigh, NC

Jun 2016 – Jul 2017

Associates in Science

## SKILLS

- |                       |                     |                      |              |
|-----------------------|---------------------|----------------------|--------------|
| • Penetration Testing | • RedHat Linux      | • IAM Authentication | • Python     |
| • Risk Management     | • Debian Linux      | • AWS                | • Bash       |
| • Security Tools      | • Git/GitLab/GitHub | • LDAP               | • PHP        |
| • Encryption          | • Docker            | • PowerBI            | • VirtualBox |