Kyle M. Worthington

Senior Network & Systems Engineer

*Systems engineer and software developer specializing in
network engineering, cloud infrastructure, containerization,
and complete user endpoint & business solutions.*

Experience

2023 – 2023 **Senior Network & Systems Engineer**, *eSudo Technology Solutions*, San Jose, CA

Managed Service Provider for dozens of clients in California and across the continental United States, supporting hundreds of endpoints.
- Managed network infrastructure and provided high-tier troubleshooting.
- Oversaw deployment of endpoint solutions for remote clients.

2021 – 2023 **Senior Information Technology Specialist**, *Regent5, LLC*, San Francisco Bay Area, CA

Managed Service Provider for high-profile clients in the Bay Area.
- Administered complex network environments and server infrastructure.
- Handled full-stack IT support from user endpoints to backend servers.

2018 – 2021 **IT Site Support Engineer**, *Thermo Fisher Scientific*, Fremont, CA

Internal helpdesk and ops support for local and remote employees, supporting over 1000 employees.
- Facilitated the shift to remote work during the COVID-19 pandemic, enabling hundreds of employees to maintain productivity.
- Handled troubleshooting tickets and deployment of endpoint hardware.
- **Project Spotlight:** Recovered critical high-value data by exploiting cryptographic vulnerabilities in commercial full disk encryption software on failed hardware.

2017 – 2018 **Field Engineer 4**, *Dell EMC*, San Francisco Bay Area, CA

Performed computer hardware repair services for Dell's wide line of products.
- Delivered premium in-person customer service for enterprise and home users under Dell's ProSupport warranty.

2016 – 2017 **Systems Administrator**, *Texstars, Inc.*, Grand Prairie, TX

Administered internal enterprise-class network and mission-critical data infrastructure.
- Maintained compliance with NIST security standards required by government contracts.
- Upgraded network switches and reconfigured the network map.
- **Project Spotlight:** Decrypted and brute-forced lost keys/passwords to recover access to legacy infrastructure.

Education

2023 – 2028   **B.S. Computer Science**, *Western Governors University*, Millcreek, Utah
Studied calculus, discrete mathematics, computer science, and artificial intelligence.

2012 – 2015   **Coursework in Computer Science**, *Tarrant County College*, Hurst, TX
General studies courses and computer science.

2011 – 2012   **Coursework in Computer Science**, *University of North Texas*, Denton, TX
Studied applications of probability, calculus, and computer science.

Technical Skills

Systems   Windows, Linux, macOS, BSD, Active Directory, MDM (JamF, Addigy)

Cloud   Google Cloud Platform, Microsoft Azure, AWS

Network   Infrastructure Engineering, Firewalls, Secure Data Backups (Local & Cloud), Ubiquiti, Cisco

Coding   Rust, C/C++, C#, Go, Java, Kotlin

Scripting   Python, Bash, PowerShell

Security   Cybersecurity, Cryptography, Information Security, NIST Compliance

Hardware   Server Management & Config, 3D Modeling (CAD), 3D Printing

Projects & Research

Freelance   **Compute Cluster Design**, *Tarleton State University Research*
Advised researchers on the design, budget, and construction of a dedicated compute cluster for running astrophysics simulations.

Personal   **Home Lab & ML**, *Personal Projects*
Design and implementation of compute servers and complex private networks. Machine Learning experiments using TensorFlow. 3D printing of complex models with multiple materials. Web development. Retro computing applications.