

Lexi Rathbun

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<https://lexir90.github.io>

Lexington, KY

1. Summary/Professional Profile:

Analytical problem-solver with 12 years of experience in HVAC/R diagnostics and troubleshooting transitioning to a challenging IT support or entry-level systems administration role. Proven ability to analyze complex systems, identify root causes, and implement effective solutions, complemented by a growing skillset in networking, security, and cloud computing. Eager to leverage transferable skills and rapidly expand technical expertise in a dynamic IT environment.

2. Skills:

- Operating Systems: Linux (Ubuntu, Red Hat, Debian, Arch, Kali, Mint), Chrome OS, Windows (11, 10), Android
- Networking: Network Administration, TCP/IP v4/v6, DNS, DHCP, HTTPS, FTPS, WPA2/3, MAC filtering, Subnetting, Network Troubleshooting, Network Cabling
- Security: Penetration Testing Procedures and Tools, Device Hardening, Data Confidentiality Practices (OATH/OTP/2FA/MFA), Drive Encryption (BitLocker/LUKS), Firewall Configuration, Virus Scanning and Removal Procedures, Vulnerability Scanning
- Hardware/Troubleshooting: Hardware and Cabling Standards, Hard Drive Archiving, Backup and Data Recovery (Including RAID 0, 1, 5, and 1+0 setups) and Hardware Diagnostics
- Scripting/Programming: Python, Bash Scripting, HTML, JavaScript, Grub 2, Pascal (Delphi, Turbo Pascal)
- Cloud Computing: Amazon Web Services (AWS) (VPN setup, EC2), Google Cloud Platform (GCP) (IAM, Security & Authentication, API configuration, Domain Management), Microsoft Azure (basic understanding)

3. Projects:

Automated Dual-Boot Configuration Script: Developed a proof-of-concept Bash script to automate the dual-boot installation process for Windows and Linux. This script successfully reduces reliance on external storage devices such as a USB drive, DVD, or Netboot configuration by using a custom Grub 2 script that loads the Linux ISO from within the Windows partition, allowing a single storage medium system to divide itself in two. Future development

will focus on process automation, user-friendliness, and compatibility expansion.

Technologies: Bash Scripting, Grub 2 Configuration, Linux Command-Line Utilities, Disk Partitioning Tools (fdisk, parted).

GitHub: <https://github.com/LexiR90/automated-dual-boot-script>

Project Symbiosis: Developing an Android application using Kotlin to provide persistent context to Gemini conversations by leveraging local device resources. This project aims to enhance Gemini's conversational capabilities by storing and retrieving relevant information locally.

Technologies: Kotlin, Android Studio, JSON, Google Drive API, Local Database Management (e.g., SQLite - if applicable)

GitHub: https://github.com/LexiR90/Project_Symbiosis

4. Work Experience:

Field Service Technician (Contractor) April 2021 – December 2023

Provided on-site technical support and troubleshooting services for complex HVAC/R systems across diverse environments (residential, commercial, and industrial). Independently managed projects for major clients, including national retail chains (Walmart, Sam's Club), diagnosing and resolving complex electromechanical issues to minimize system downtime. Proficient in interpreting technical documentation (electrical diagrams, control system schematics) and working with network-connected control systems and programmable logic controllers.

Residential HVAC Field Service Technician June 2019 – March 2021

Delivered on-site technical support and repair services to residential clients for a variety of HVAC systems. Proficient in diagnosing and resolving issues with gas-fired and fuel oil-fired boilers and furnaces, as well as geothermal heat pump systems, ensuring client satisfaction and system performance.

Residential HVAC Service and Sales Technician June 2016 – June 2019

Provided on-site technical support, diagnostics, and repair services for a wide range of residential HVAC systems, including gas and oil furnaces and boilers, and geothermal heat pumps. Effectively communicated technical information to clients, ensuring understanding of system operation and maintenance.

Forensic HVAC/R Investigator June 2014 – June 2016

Conducted on-site technical investigations of residential HVAC systems to determine the root cause of failures for insurance claims. Performed detailed forensic analysis, including complete system disassembly, component testing, and photographic documentation. Produced comprehensive, peer-reviewed technical reports summarizing findings and conclusions for clients.

Ammonia Refrigeration System Operator, Tyson Foods June 2014 – June 2015

Monitored and maintained large-scale ammonia refrigeration systems in a food processing environment. Responsibilities included system checks, preventative maintenance, and

troubleshooting minor operational issues to ensure efficient and safe operation.

5. Education:

Kable Academy, Cincinnati, OH

IT/Cybersecurity Certification, November 2024

Focus: CompTIA Network+ Exam Prep, Network Administration, Penetration Testing

Ivy Tech Community College, Sellersburg, IN

Associate of Applied Science (A.A.S.), Industrial Maintenance (HVAC/R Focus)

Graduated Magna Cum Laude, August 2012