

Jacob Coffee

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EDUCATION

Eden Career Technical Center <i>Information Technology</i>	Ashville, AL May 2014
Wallace State Community College <i>Associate of Science in Computer Science</i>	Hanceville, AL May 2022 (Expected)
Auburn University <i>Bachelor of Computer Science</i>	Auburn, AL May 2024 (Expected)

EXPERIENCE

IT Specialist - IT Infrastructure and Business Continuity <i>Labcorp</i>	Mar 2018 – Present Birmingham, AL
<ul style="list-style-type: none">Developed automation for common problems and repetitive tasks that led to less downtimePlanned and deployed unique solutions for new clients that resulting in millions in revenue gainImplemented new active directory GPO structure allowing for endpoint deployment automationSupported Windows Servers (2012-2019), Networks, Active Directory, Group Policy, and end-user computersDeployed and maintained Linux and Docker servers and containers, respectivelyManaged networks using tools like Cisco ISE, Infoblox IPAM, Velocloud Orchetrator, and the Meraki dashboard	

PROJECTS

Xpress Order Management <i>Web app for pathologists across the nation to order tests</i>	January 2022 – Present
<ul style="list-style-type: none">Developed and deployed multi-environment (Dev/QA/Prod) Flask web appIntegrated LDAP and OAuth authentication, registration, tiered permissions, and password resetImplemented Docker containerization to deploy at scale with NGINX and GunicornUtilized Bootstrap along with Jinja2 to dynamically update the data and UIDesigned a complex databases with SQLite, PostgreSQL, order data, and permissionsBuilding reporting dashboard for national teams to understand their workloads, business cost, and patient data	
Homelab <i>VMWare vSphere, Active Directory, Linux, Docker, Azure</i>	May 2018 – Present
<ul style="list-style-type: none">Designed, deployed, and maintained production-level systems solely for the purpose of learning more about themDesigned systems around hardware constrains (Dell R510, R620, R430s) in a highly available 8 node cluster utilizing vSphere, IPMI, Reverse Proxy with NGINX, and container deployment and managementImplemented Docker containerization for individual services with source-controlled configurationDesigned networks with multiple VLANs for segmentation of services such as IoT, Servers, End Users, and SecurityAutomated various deployments using Powershell and Bash	

TECHNICAL SKILLS

Languages: Java, Python, Bash, Powershell
Frameworks / Tech: Flask, Jinja2, OAuth, PostgreSQL, NGINX
Other Tools: Git, Docker, Azure, AWS, GCP, IntelliJ,, , Linux
Software / OS: Windows Server 2012, 2016, and 2019, Ubuntu Server, Red Hat Server (RHEL), VMWare vSphere, ESXi, Proxmox, Hyper-V, GPO, ServiceNow, SCCM, Citrix
Things I'm Currently Learning: Kubernetes, Rancher, Jenkins, Ansible, and any other tool or opportunity brought my way

CLUBS AND ORGANIZATIONS

School Clubs: Auburn AI Club, Auburn Ethical Hacking Club, Auburn ACM Group
Industry Organizations: ACM, IEEE

HONORS AND OTHER

Honors: President's List (Wallace State Community College)
Certifications: OSHA 10 Certified and BLS (American Heart Association) Certified
Service: Birmingham Heart Walk Contributor and Participant for 2018 - Current