

Jacob Coffee

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EDUCATION

Auburn University

Bachelor of Computer Science

Auburn, AL

May 2024 (Expected)

Wallace State Community College

Associate of Science in Computer Science

Hanceville, AL

May 2022 (Expected)

Eden Career Technical Center

Information Technology

Ashville, AL

May 2014

EXPERIENCE

IT Specialist - IT Infrastructure and Business Continuity

Mar 2018 – Present

Labcorp

Birmingham, AL

- Developed automation with Python, Powershell, and Ansible for issues and tasks resulting in less downtime
- Planned, led, and deployed unique solutions for new clients resulting in millions in revenue gain
- Implemented new active directory GPO structure allowing for endpoint deployment automation
- Supported Windows Servers (2012-2019), Networks, Active Directory, Group Policy, and end-user computers
- Deployed and maintained Linux servers and Docker containers, respectively
- Managed networks using tools like Cisco ISE, Infoblox IPAM, Velocloud Orchestrator, and the Meraki dashboard

PROJECTS

Xpress Order Management | *Web app for pathologists across the nation to order tests*

January 2022 – Present

- Developed and deployed multi-environment (Dev/QA/Prod) Flask web app
- Integrated LDAP and OAuth authentication, registration, tiered permissions, and password reset
- Implemented scalable deployment with NGINX, Gunicorn, and Docker
- Utilized Bootstrap along with Jinja2 to dynamically update the data and UI
- Designed complex databases with SQLite, PostgreSQL, order data, and permissions
- Building reporting dashboard for national teams to understand their workloads, business cost, and patient data

Homelab | *VMWare vSphere, Active Directory, Linux, Docker, Azure*

May 2018 – Present

- Designed, deployed, and maintained production-level systems solely for the purpose of learning more about them
- Designed systems around hardware constraints (Dell R510, R620, R430s) in a highly available 8 node cluster utilizing vSphere, IPMI, Reverse Proxy with NGINX, and container deployment and management
- Implemented Docker containerization for individual services with source-controlled configuration
- Designed networks with multiple VLANs for segmentation of services such as IoT, Servers, End Users, and Security
- Automated various deployments using Powershell, Bash, Ansible, and Terraform

TECHNICAL SKILLS

Languages: Java, Python, Bash, Powershell

Frameworks / Tech: Flask, Jinja2, OAuth, PostgreSQL, NGINX

Other Tools: Git, Docker, Azure, AWS, GCP, IntelliJ, Ansible, Linux

Software / OS: Windows Server 2012, 2016, and 2019, Ubuntu Server, Red Hat Server (RHEL)/Alma Linux, VMWare vSphere, ESXi, Proxmox, Hyper-V, GPO, ServiceNow, SCCM, Citrix

Things I'm Currently Learning: Kubernetes, Rancher, Jenkins, Terraform

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