

# Jacob Coffee

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## EDUCATION

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### Eden Career Technical Center

*Information Technology*

Ashville, AL

May 2014

### Wallace State Community College

*Associate of Science in Computer Science*

Hanceville, AL

May 2022 (Expected)

### Auburn University

*Bachelor of Computer Science*

Auburn, AL

May 2024 (Expected)

## EXPERIENCE

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### IT Specialist - IT Infrastructure and Business Continuity

Mar 2018 – Present

*Labcorp*

*Birmingham, AL*

- Developed automation with Python and Powershell for common issues and tasks resulting in less downtime
- Planned 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 and Docker servers and containers, respectively
- Managed networks using tools like Cisco ISE, Infoblox IPAM, Velocloud Orchetrator, and the Meraki dashboard

## PROJECTS

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### 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 Docker containerization to deploy at scale with NGINX and Gunicorn
- Utilized Bootstrap along with Jinja2 to dynamically update the data and UI
- Designed a 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 and Bash

## TECHNICAL SKILLS

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**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

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**School Clubs:** Auburn AI Club, Auburn Ethical Hacking Club, Auburn ACM Group

**Industry Organizations:** ACM, IEEE

## HONORS AND OTHER

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**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