

**EMPLOYMENT**

<b>Software Engineer</b>	<b>Erias Ventures</b>	<b>Aug. 2025 – Current</b>
• Built and deployed RHEL-based OS and Kubernetes workloads for the JCRS-D big data platform		
• Automated provisioning and configuration of both the RHEL operating system and Kubernetes platform using Python and Ansible, improving deployment efficiency		
• Enhanced and maintained platform components to ensure reliability and scalability		
<b>Software Engineer III</b>	<b>Cohesity</b>	<b>Sep. 2023 – Aug. 2025</b>
<b>Software Engineer II</b>		<b>Dec. 2021 – Sep. 2023</b>
• Automated full application lifecycle in an on-prem Kubernetes environment, integrating Helm for deployment orchestration and Sentry/ELK for monitoring and log aggregation		
• Developed a scalable Python-based unit test framework and results platform (Django/GraphQL/PostgreSQL), deployed via Helm to Kubernetes in staging and production		
• Designed and implemented the Priority Queue Manager (Python/MongoDB) to regulate infrastructure load, reducing downtime and increasing engineering throughput		
• Refactored and maintained the ELK stack and Python-based Actions Framework, enabling automated failure responses and deeper visibility into the CI/CD pipeline		
• Authored and maintained Bazel BUILD files to streamline build/test processes for both product code and internal tools, improving infrastructure reliability		
• Diagnosed and resolved critical build/infrastructure failures, collaborated cross-functionally, and adapted quickly to evolving priorities in a high-velocity startup		
<b>Software Engineer I</b>	<b>Lockheed Martin</b>	<b>Feb. 2021 – Dec. 2021</b>
• Supported the transition to a high-availability DevOps infrastructure with Rancher-managed Kubernetes		
• Automated infrastructure provisioning and deployment workflows using Jenkins, Git, and Ansible		
• Configured and maintained HAProxy for secure, reliable internal and external networking		
• Upgraded critical apps (Artifactory, Jenkins, Gerrit, HAProxy) in a classified production environment		
<b>Software Engineer, Intern</b>	<b>Lockheed Martin</b>	<b>May. 2020 – Jul. 2020</b>
• Integrated OpenSCAP security compliance tooling into the interactive installer of a custom Linux OS		
• Provisioned a new Linux build server to balance compilation workloads and improve throughput		
• Deployed a new Jenkins instance and implemented CI/CD pipelines to automate build and test workflows		
<b>Full Stack Engineer, Intern</b>	<b>BMW Group</b>	<b>Jan. 2019 – Aug. 2019</b>
• Delivered new features in enterprise full-stack applications to streamline internal BMW workflows		
• Developed with C#, ASP.NET, Angular, Node.js, and SQL Server in a collaborative agile environment		
• Containerized a mission-critical app and deployed it to Docker Swarm, enhancing availability and scalability		
• Designed and deployed Azure-based CI/CD pipelines to fully automate application delivery		

**EDUCATION**

<b>Tuscaloosa, AL</b>	<b>University of Alabama</b>	<b>Fall 2016 – Dec 2020</b>
• B.S. in Computer Science, December 2020. GPA: 3.77/4.0		
• Undergraduate coursework: Data Structures and Algorithms, Operating Systems, Databases, Computer Networking, Programming Languages, Digital Logic, Artificial Intelligence		
• Completed the <i>Nand to Tetris</i> online course, parts 1 and 2		
• Certified Kubernetes Administrator, June 2024		

**LANGUAGES AND TECHNOLOGIES**

- Languages and Frameworks: Python, Rust, C++, TypeScript, Bash, Django, Flask, React, Angular

- Software and Tools: Linux, Docker, Kubernetes, Helm, Ansible, Bazel, Bazel Buildfarm, GraphQL, PostgreSQL, MongoDB, InfluxDB, Grafana, ELK, Nginx, Jenkins, Gerrit, Artifactory

#### **MISCELLANEOUS**

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- Attended the University of Alabama on a full-tuition academic scholarship
- CompTIA Security+ certified, October 2021