
EMPLOYMENT

Software Engineer	Erias Ventures	Aug. 2025 – Current
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- 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

Software Engineer III	Cohesity	Sep. 2023 – Aug. 2025
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Software Engineer II		Dec. 2021 – Sep. 2023
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- 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

Software Engineer I	Lockheed Martin	Feb. 2021 – Dec. 2021
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- 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

Software Engineer, Intern	Lockheed Martin	May. 2020 – Jul. 2020
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- 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

Full Stack Engineer, Intern	BMW Group	Jan. 2019 – Aug. 2019
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- 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

Tuscaloosa, AL	University of Alabama	Fall 2016 – Dec 2020
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- 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 *Nand to Tetris* 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

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