

Nathan Dodson

B.S. Computer Science, Honors
MBA Candidate
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Education

Master of Business Administration | University of Kansas: School of Business
August 2022 – May 2024 | GPA – 4.00

Bachelor of Science in Computer Science, Honors | University of Kansas: School of Engineering
August 2019 – May 2023 | GPA – 3.82

Work Experience

Software Developer Intern, SRE | WellSky **May 2023 – August 2023**
Overland Park, KS

- Handled on-prem and cloud (GCP) deployments with Terraform
- Modified and updated existing Helm templates and tracked deployment through ArgoCD
- Developed extensible Python automation scripts for modifying F5 during application releases
- Developed New Relic SLIs through Terraform Enterprise to reflect changes in team's cloud configuration

Software Developer Intern, Security | AscendLearning **December 2021 – December 2022**
Leawood, KS

- Developed a full-stack security operations web tool in ReactJS
- Integrated application into AscendLearning's GitLab CI/CD pipeline, including Docker builds, unit testing, Kubernetes deployment, and creation of development, staging, and production environments
- Performed in-depth security analysis including: CSRF/SQL injection prevention, token-based authentication, and TLS
- Integrated automation of key sec/ops workflows, including the identification of vulnerabilities, threat mitigation, and blocking scripts, creating a significant reduction in working hours spent for the sec/ops team
- Designed the tool to be foundational, extensible, and adaptable as the team's needs change

Software Developer Intern, Backend | SS&C, Inc. **May 2021 – August 2021**
Kansas City, KS

- Developed Java-based API endpoint for the internal Business Services Library using CI/CD processes
- Created technical design documentation
- Performed system integration testing with QA teams
- Participated in iterative design sessions with a client for the Fund Trade Monitoring tool

Cerner Scholar – Dev/Ops | Cerner Corporation **January 2019 – May 2019**
Kansas City, MO

- Deployed Ansible-CMDB for fact-viewing and analysis of 700+ hosts on Cerner network

Technical Skills

- **5+ years:** Linux server administration, Docker, Debian, Git, HTML
- **3~ Years:** Python, C++, Ba(sh) scripting, Nginx configuration
- **1- Years:** Terraform, Kubernetes/GKE, New Relic configuration, GCP, Microsoft Power Platform, ReactJS, Node.js / express.js, MySQL, Ansible, Vagrant, Elasticsearch, LDAP/Samba, PHP, GitLab CICD, Hashicorp Vault API, Jenkins, ArgoCD

Leadership

- HackKU Executive Organizer // HackKU Participant **2023-24 // 2019, 2023**
- President of Environs KU, Environmental Coalition (ECO) **2021 – Present**
- Graduate Student Advisory Board Member, KU School of Business **2023 – Present**
- Counselor, photographer, web-manager at Camp Milton (NAI) **2018 – Present**
- *Add. Membership:* Tau Beta Pi, Upsilon Pi Epsilon, Sunrise Movement, Erell NGO, KUKC **Various Dates.**