NICKOLAS HANS KRAUS

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EDUCATION

IOWA STATE UNIVERSITY
2011 - 2017 | GPA: 3.75

Aerospace Engineering
German Language
Computer Science (Minor)

HOCHSCHULE MANNHEIM
2013 - 2014

Study Abroad Program

PROGRAMMING

Python
Go
Bash

TECHNOLOGIES

AWS
Linux
Containers
Kubernetes
Terraform
CloudFormation
SaltStack
Chef
GitLab CI
Jenkins
Datadog

LANGUAGES

German (Business Fluency)

EXPERIENCE

Granular
Software Engineer II
February 2020 - Present

- Build, automate and manage multi-environment infrastructure using Kubernetes, Docker, Terraform, and SaltStack

- Develop systems for enforcing production readiness standards using GitLab CI, Datadog, custom tooling, and automation

- Create architecture decision records and technical documentation to communicate and standardize best practices

- Participate in on-call rotation, incident response, and root cause analysis reviews

Dwolla
Software Engineer I
February 2019 - February 2020

- Lead the development of a multi-tier, PCI-compliant AWS environment for Dwolla's Push-to-Debit solution using Terraform and AWS CodeSuite

- Developed the CI/CD platform and facilitated a migration from Jenkins to Jenkins 2

- Built and open-sourced custom resources via CloudFormation in order to automate parts of the deployment workflow

Workiva
Software Engineer I
January 2018 - February 2019

- Facilitated the migration of the developer organization from a custom container orchestration solution to Kubernetes on Amazon EKS