

NICKOLAS HANS KRAUS

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(774) 276-1793

Ames, IA

EDUCATION

Iowa State University

—
GPA: 3.75
Aerospace Engineering
German Language
Computer Science
(Minor)

Hochschule Mannheim

—
Study Abroad Program

PROFESSIONAL EXPERIENCE

Granular

Johnston, IA

Software Engineer II

Feb. 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

EXPERTISE

Programming

—
Python, Go, Bash

Technologies

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

Languages

—
German (Business
Fluency)

Dwolla

Des Moines, IA

Software Engineer I

Feb. 2019 - Feb. 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

Ames, IA

Software Engineer I

Jan. 2018 - Feb. 2019

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

~ Built tooling to increase developer productivity

[LinkedIn](#)

[GitHub](#)