

# NICKOLAS HANS KRAUS

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(774) 276-1793

Ames, IA

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## EDUCATION

### Iowa State University

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GPA: 3.75

Aerospace Engineering  
German Language  
Computer Science  
(Minor)

### Hochschule Mannheim

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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

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

### Languages

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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
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LinkedIn

GitHub

Infrable