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# NICKOLAS HANS KRAUS

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## EDUCATION

### Iowa State University

Aug. 2011 - Dec. 2017

Cumulative GPA: 3.75

Bachelor of Science

Aerospace Engineering

Bachelor of Arts

German Language

Bachelor of Science

Computer Science Minor

### Hochschule Mannheim

Sept. 2013 - Feb. 2014

Mannheim, Germany

Study Abroad Program

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## EXPERTISE

### Programming

Python, C, C++, Go,

Java, Bash

### Technologies

AWS, Linux, Terraform,

CloudFormation, Docker,

Kubernetes, SaltStack

### Languages

German

## PROFESSIONAL EXPERIENCE

### Granular

Johnston, IA

Software Engineer II

Feb. 2020 - Present

Develop, configure, and maintain shared infrastructure using  
Kubernetes, Terraform, CloudFormation, and SaltStack

Design systems for continuous integration and deployment, application  
performance monitoring and alerting, and software development  
lifecycle (GitLab CI, Jenkins, Datadog, Artifactory)

Lead efforts to modernize and simplify complex and legacy systems

Provide Production support during on call rotation and perform  
retrospectives for customer-impacting incidents

### Dwolla

Des Moines, IA

Software Engineer I

Feb. 2019 - Feb. 2020

Developed Dwolla's platform through Infrastructure as Code,  
continuous integration and delivery, and AWS best practices

### Workiva

Ames, IA

Software Engineer I

Jan. 2018 - Feb. 2019

Worked to improve the security and reliability of Workiva's  
infrastructure on AWS with Kubernetes and Docker

Software Engineering Intern

Apr. 2017 - Jan. 2018

Agile Project Manager Intern

Aug. 2016 - Apr. 2017

### United Technologies Aerospace Systems

Burnsville, MN

Software Engineering Project Lead Intern

May 2016 - Aug. 2016

Software Engineering Intern

May 2015 - Aug. 2015

### John Deere

Mannheim, Germany

Software Engineering Intern

Mar. 2014 - Aug. 2014