

# DANIEL KRZEMINSKI

Crown Point, IN (Open to Remote) | (219)-779-5358 | dankrzeminski32@gmail.com

[www.dankrzeminski.com](http://www.dankrzeminski.com) | [www.linkedin.com/in/daniel-krzeminski/](https://www.linkedin.com/in/daniel-krzeminski/) | [github.com/dankrzeminski32](https://github.com/dankrzeminski32)

## EXPERIENCE

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### Associate Software Engineer | Southwest Airlines

Jun 2023 - Present

#### Customer Assets Management

- Led the migration of a Tibco and on-prem consumer responsible for processing 100,000+ daily flight sale records to a cloud-based Kafka and AWS consumer, enhancing availability and reducing operational costs.
- Migrated SOX report generation from Crystal Reports to a cloud-based AWS reporting engine.
  - Developed NoSQL queries to generate reports for millions of customer assets existing in AWS DocumentDB.
  - Used S3 for report storage, supported various file formats including JSON, XLSX, CSV, and PDF.
- Led a cost-saving initiative by identifying unused AWS VPC resources and created a tool for monitoring future resource usage, leading to a monthly cost reduction exceeding \$2000 in AWS expenditures.
- Optimized an auth token cache with AWS DynamoDB, led to 20% reduction in response times for gift card operations.
- Mentored and onboarded interns in my position on the College Hire Internship Program (CHIP) Intern Committee.
- AWS, Lambda, DocumentDB, SQS, DynamoDB, VPC, API Gateway, S3, Python, Docker, Kafka

### Software Engineering Intern | Southwest Airlines

Jan 2023 - May 2023

#### Customer Assets Management

- Developed a REST API in AWS that mocks out on-prem calls from our AWS services.
- Reduced the duration of our cloud integration test CI/CD pipeline by 35%.
- Developed a system for uploading integration test files, utilized AWS Lambda to pull files from S3, parse them, and then upload them to a DynamoDB table for use by our automated integration tests.
- Utilized Git and Gitlab for version control and the code review process.
- AWS, Lambda, DynamoDB, S3, SQS, API Gateway, Serverless Framework, Docker, Python

### Software Engineering Intern | ULINE

May 2022 - Aug 2022

#### E-Commerce Web Team

- Worked on a redesign of the company's talent acquisition website (uline.jobs).
- Optimized an internal template engine, led to a 10% faster response time in static content requests.
- Deployed and tested features and bug fixes in multiple environments using Jenkins.
- Contributed to code reviews and scrum processes using Git, Azure DevOps.
- C#, .Net, Jenkins, JavaScript, HTML, CSS

## TECHNICAL SKILLS

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**Languages:** Python, Java, C#, Go, C, JavaScript, HTML, CSS

**Cloud:** Kafka, Azure, AWS, S3, DynamoDB, DocumentDB, Lambda, API Gateway, SQS, Step Functions, VPC

**Tools:** Terraform, Docker, Serverless Framework, Git, Django, Flask, Agile Methodology

## EDUCATION

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**Purdue University Northwest** - Bachelor of Science in Computer Science, Minor in Statistics

May 2024

- Dean's list 8/8; GPA: 3.7;
- Vice President, Computer Science Club;

## CERTIFICATIONS

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**AWS Certified Solutions Architect - Associate**

Jan 2025