# Zach Romano



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# **SKILLS**

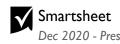
Programming Languages

Java, SQL, JavaScript, TypeScript, HTML/CSS

Software Technologies

Spring, React, Docker, Gitlab-Cl, Kibana, Datadog, JUnit, Sonar Qube, AWS, Kubernetes, Helm

### **EXPERIENCE**



#### Software Engineer

Development & Design:

- Worked on decoupling user data from a monolith and built a service that gets 4k requests per second
- Led team on converting an existing synchronous publishing flow to be asynchronous
- Designed and led full-stack development of 'deactivate user' feature as an alternative to deleting them
- Lead multiple engineers on the development/maintenance of the open source Smartsheet Java SDK
- Started and led effort at the company to start upgrading services to Java 17 and SpringBoot 3

#### DevOps:

- Profiled memory/CPU utilization to determine optimal Kubernetes pod and JVM sizing
- Designed and built a release process that increased deployments from once a week to twice per day
- Enabled new company tooling like Pact for contract tests and Renovate to keep dependencies updated Teaching:
- Taught and encouraged modern Java/Spring practices and became the 'go-to' SpringBoot developer
- Mentored an intern and guided them on improving the SCIM interface with Azure Active Directory
- Introduced team to build technologies such as Gradle and Liquibase to improve pipeline speeds



#### Full Stack Developer

Development:

- Produced an app to optimize purchasing that discovered \$1 billion in unrealized savings
- Developed an app that generates GitLab-CI pipelines to test and deploy existing apps
- Implemented zero downtime deploys so that applications can be released at any time
- Introduced team to persistent chat and set up webhooks for live alerting of pipeline failures Teaching:
- Utilized paired programming to teach modern development practices for 1500+ hours
- Taught Extreme Programming principles such as Test-Driven Development and CI/CD
- Led courses to train developers on deploying software to the Pivotal Cloud Foundry



#### Systems Engineering Rotation

- Created a website using .NET Core and Tableau to host real-time analytics

# **PROJECTS**

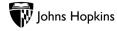
Capture the Flag

Created a publicly available cybersecurity challenge where users can try to "hack" an election

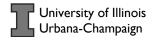
Online Clue Game

Headed a team that developed an online version of Clue using Angular and Firebase

## **EDUCATION**



Master of Science in Computer Science, 4.0/4.0 - Focused in Cybersecurity



Bachelor of Science in Aerospace Engineering, 3.77/4.00