

# Zach Romano



## SKILLS

**Programming Languages** Java, Kotlin, JavaScript, TypeScript, HTML5/CSS3, SQL

**Software Technologies** Spring, React, Docker, Gitlab-CI, Splunk, Selenium, Jest, JUnit, SonarQube, Cloud Foundry



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## EXPERIENCE



**Boeing**

March 2019-Present

### Full Stack Developer

#### Development:

- Built a website to securely track COVID-19 cases in under 24 hours
- Co-produced an app to optimize purchasing that discovered \$1 billion in unrealized savings
- Utilized Spring Security and OAuth2 to properly authenticate and authorize users
- Co-developed an app that generates GitLab-CI pipelines to test and deploy existing apps

#### DevOps:

- Established scalable Selenium browser tests that must pass prior to deployment
- Identified and resolved over 150 bugs in production by adding SonarQube and Coverity
- Created a code review process for a team of 15 developers that previously did not do them
- Implemented Blue/Green deploys so that applications can be released with zero downtime
- Introduced a team to persistent chat and set up webhooks for live alerting of 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
- Facilitated courses to train developers on deploying software to the cloud



June 2018-March 2019

### Data Analyst

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



August 2017-June 2018

### Systems Engineer – Risk Management

- Managed risks, issues, and opportunities for a team of 300+ people



## PROJECTS

### Capture the Flag

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

### Container Security

Integrated GitLab and Jenkins to scan Docker images pushed to the registry with Snyk

### Serverless Architecture

Incorporated AWS Lambda, Cognito, and API Gateway to auth users and expose endpoints

### Online Clue Game

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



## EDUCATION



**Johns Hopkins**

August 2020

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

Courses in algorithms, web development, DevOps, web security, cloud security and IOS



**University of Illinois**

**Urbana-Champaign**

May 2017

**Bachelor of Science in Aerospace Engineering, 3.77/4.00**

Courses in data structures, algorithms, designing and building UAVs, and the development cycle of aircraft