Zach Romano

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SKILLS

Programming Languages Java, Kotlin, JavaScript, TypeScript, Swift

Software Technologies Spring, React, CSS3, HTML5, SQL, Node.JS, Gitlab-CI, Tableau, Splunk, CAD

EXPERIENCE

Boeing
March 2019-Present

Full Stack Developer
- Paired with developers from across the company to teach modern development practices
- Facilitated courses to train developers on how to deploy software to the cloud
- Followed Extreme Programming principles such as Test-Driven Development and CI/CD
- Co-developed an app that generates pipelines to build, test, and deploy apps to the cloud
- Utilized Spring Security and OAuth2 to properly authenticate and authorize users
- Built several highly available and scalable apps and Restful APIs
- Co–developed an app to optimize purchasing that discovered $1.5 billion in unrealized savings and has already saved over $5 million annually

June 2018-March 2019

Data Analyst
- Created a website using .NET Core to host real-time visualizations
- Visualized data in Tableau that eliminated hundreds of charting hours annually
- Designed a risk management analytics package for commercial and defense products
- Connected engineering, production, and supply chain data to provide metrics on part changes all the way from design to installation
- Awarded organization project of the year

August 2017-June 2018

Systems Engineer – Risk Management
- Managed risks, issues, and opportunities for a team of 300+ people
- Maintained proper risk mitigation plans for teams and individual engineers
- Educated executives every week about the current level of risk on the 777X
- Eliminated 90 engineer hours quarterly by implementing report automation using VBA
- Used R to aide a data analytics team by compressing several large data exports

Ford
May 2016-August 2016

Engine Test Team Intern
- Designed a simulation of engine compression in MatLab to help identify faulty engines

Caterpillar
May 2015-November 2015

Design Team Student Practicum
- Created simulated stress models to predict part failure

EDUCATION

Johns Hopkins
Expected December 2020

Master of Science in Computer Science, 4.0/4.0
Courses in algorithms, computer architecture and organization, web development, 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 airplanes