ZACH SIROTTO

Application Architect, Software Engineer

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EXPERIENCE

Application Architect
IBM Data & AI

📅 Sept 2020 – Ongoing

📄 RTP, North Carolina

As an Application Architect for the IBM Data AI, I oversee and make architectural design choices on behalf of Watson Security to enhance compliance pipelines, change management pipelines, CI/CD pipelines, GitHub and Slack chatops, and container vulnerability/patch management (SOC2 compliance).

Site Reliability Engineer / Software Engineer
IBM Watson Cloud Platform

📅 June 2018 – Sept 2020

📄 RTP, North Carolina

As an SRE for the IBM Watson Cloud Platform, I was responsible for the up-time and availability of half a dozen production Watson services. In addition to being on call for Watson services, I engineered internal automation/tools, enhanced metrics/monitoring, standardized our team's Agile practices, and became the DevOps focal for the Watson Visual Recognition service.

PROJECTS

Change Management Automation
IBM Data & AI

📅 Feb 2019 – Ongoing

Change Management Automation is an initiative geared toward bringing the user closer to the tools they use and love while lessening their burden of dealing with change. Leveraging Github for high-level change record tracking, Slack for interactivity, and a REST API that utilizes ServiceNow for tracking change on a more granular level, Change Management Automation provides a strategic approach toward standardizing and streamlining change across any team in IBM.

Production Continuous Delivery Pipeline
IBM Watson Visual Recognition

📅 2018 – 2019

As a DevOps engineer for Watson Visual Recognition, I architected and engineered a production Continuous Delivery pipeline and other internal tooling applications. Due to resource actions within Watson Visual Recognition, I was flown out to Littleton MA for a knowledge transfer with the development team in order to secure the future efforts of developing their production CD pipeline.

LANGUAGES

Proficiency

JavaScript	●	●	●	● ●
Python	●	●	●	● ●
Bash	●	●	●	● ○
Go	●	●	●	○ ○
C / C++	●	●	●	○ ○
Java	●	●	○	○ ○
LaTeX	●	●	○	○ ○

Experience (in years)

C / C++	●	●	●	●	● ● ●
Python	●	●	●	●	● ○ ○
Bash	●	●	●	●	○ ○ ○
LaTeX	●	●	●	○	○ ○ ○
JavaScript	●	●	○	○	○ ○ ○
Go	●	○	○	○	○ ○ ○
Java	●	○	○	○	○ ○ ○

STRENGTHS

⚙ Kubernetes	CI/CD	RHEL
Containers	ChatOps	Agile
GitHub	Slack	Markdown
Design Thinking	Hashicorp	
Full Stack	REST	YCombinator

ACHIEVEMENTS

🏆 **CrushIT Innovation Award**
IBM Analytics – Week 19, 2019
Change Management Automation

👆 **Band 7**
Promoted to Band 7 within 1st year

🏅 **Harris Scholarship**
Academic excellency

EDUCATION

Computer Science, B.S.
Florida State University – 3.78 GPA

📅 Graduated May 2018

📄 Magna Cum Laude

Associate of Arts, A.A
Palm Beach State College – 3.81 GPA

📅 Graduated Dec 2015