

Ryan Shah

SOFTWARE ENGINEER · COMPUTER SCIENCE AND MATHEMATICS MAJOR WITH PHYSICS MINOR · UNIVERSITY OF KENTUCKY

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Skills

DevOps AWS, Azure, Docker, Kubernetes, Jenkins, MySQL, PostgreSQL

Web Angular, HTML5, CSS, REST API, PHP, Node.js, SpringBoot

Programming C/C++, Python, JAVA, C#, Groovy, Ruby

Experience

Lexmark International, Inc.

Lexington, KY

SOFTWARE ENGINEER - ACCOUNT AND IDENTITY MANAGEMENT

May, 2020 - Present

- Responsible for maintaining a variety of applications that facilitated account management, authentication, and identity federation for our cloud services.
- Facilitated the transition to Azure B2C identity management service from our in-house Ruby on Rails identity provider.
- Developed several customer facing Angular UI's and C# services and their deployment to our Kubernetes environment.
- Helped transition several services from AWS EKS to Azure AKS.

TECHNICAL ROTATION PROGRAM

Jul. 2018 - May, 2020

- During this program I spent 8 months on 3 different teams in the organization.
- On the Core Team, I helped to design and build fully automated CI/CD Jenkins pipelines to support the transition of our suite of dockerized microservices to Kubernetes from AWS ECS as well as maintain several Java libraries and SpringBoot services.
- On the Firmware Security Team, I worked to handle incoming critical CVE's in our firmware, as well as develop a service on our devices that enables automatic updating of critical SSL certificates for authentication with Lexmark and 3rd-party servers.
- On the Cloud Solutions Team, I created a feature using Azure Device Streams that would allow remote access to IoT devices in our cloud system.

PPQA TOOLS TEAM INTERN

Aug. 2016 - Jun. 2018

- Created a suite of python scripts that collect usage data from multiple data sources to detect supply failures and end of life.
- Used machine learning to train a model that could identify print errors in QA tests.
- Developed a logging pipeline utilizing HyperLedger Fabric blockchain and ActiveMq.

Extracurricular Activity

Lexmark Hackathon

Lexington, KY

LEAD ORGANIZER

2019 - Present

- Organized a company wide hackathon that took place over the course of a week.
- Involved working with multiple levels of management for approval and funding.
- Held several technical events throughout the week, including sponsored talks and creative events.
- Week long event culminated in a final showcase for all projects and a presentation by the winners.
- Awarded the Manager Appreciation Award as recognition for the effort put into organizing the event.

Hackathons

Kentucky

PARTICIPANT

2016 - 2018

- Participated in various national level hackathon events during my college career including CatHacks and DerbyHacks.
- Won top awards in several event as well as winning several other awards such as Most Potential Value.
- Award winning projects include a simple automated smart home using a Raspberry Pi, a personal nurse skill for Amazon Alexa, and semantic analysis engine that determined the mood of a piece of writing and converted it into a light and sound show

Honors & Awards

- 2012 **Eagle Scout**, Boy Scouts of America
- 2016 **2nd Place**, CatHacks II Hackathon
- 2017 **Most Potential Value**, DerbyHacks2 Hackathon
- 2018 **1st Place**, DerbyHacks3 Hackathon
- 2018 **Best Health Hack**, DerbyHacks3 Hackathon
- 2018 **Most Innovative Hack**, CatHacks IV Hackathon

Lexington, KY

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Louisville, KY

Louisville, KY

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Lexington, KY