

# Ruiyu Wang

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## EDUCATION

### MS in Computer Science

University of Texas at Dallas  
Dec 2015 | Dallas, TX

### BE in Automation - IT Adoption

DongHua University  
Jun 2007 | Shanghai, CHINA

## SKILLS

### Programming

Python • Java • Go • Ruby • Perl

### DevOps

Ansible • Puppet • Jenkins • Redis  
Nagios • Datadog • Splunk • ELK  
Kubernetes [Certified] • Terraform  
Vagrant • Docker Swarm • HAProxy  
Azure Cloud Platform • AWS

### Tools & Softwares

Git • VSCode • Vim + Vundle  
Jira + Confluence • TFE • ScaleFT

### Web

Selenium • REST API • Flask • Rails  
Apache • Nginx • Puma • Unicorn

### Databases

MySQL • Postgres • Mongo

### Operating Systems

Linux • Mac • Windows

## EXPERIENCE

### CoverMyMeds System Engineer | Apr 2017 - Present | Columbus, OH

- SDLC Production Operation and Engineering in a Healthcare IT company with Agile DevOps work style
- Transforming from On-Prem to Azure Cloud. Leveraging HashiCorp products and Zero Trust Network technology.
- Lead on Infra Monitoring Stack converting from Nagios to Datadog
- Tech Stack: Kubernetes, Prometheus, Hashi Vault, Azure Cloud, Terraform, Puppet/Ansible, IPAM, Splunk+Sentry, Consul, Redis, Harbor, Jenkins, F5

### Veritas Technologies Senior Software Engineer | Feb 2016 – Apr 2017 | Mountain View, CA

- Work on Production Infrastructure Automation, Tools, Developer Experience Enhancement, System performance analysis and bottleneck pinpoint
- Tech Stack: Artifactory, Ansible, Docker Swarm, Grafana, Jenkins, Nagios, NodeJS, etc

### CoverMyMeds Test Engineer Intern | Feb 2015 - Jun 2015 | Columbus, OH

- Built an End to End test harness to automate the overall Prior Authorization workflow (Healthcare IT), integration and feature testing of Restful APIs

### Facebook Production Engineer Intern | May 2014 - Aug 2014 | Menlo Park, CA

- Create tooling automating DataCenter server maintenance workflow
- Create ETA feature to predict upcoming server drain / undrain duration based on historic data
- Backend development using Python, SQLAlchemy, Thrift

### Hewlett-Packard Software Testing Engineer | Dec 2009 - Jun 2013 | Shanghai, CN

- Leader in developing automated testing tools (Perl & Shell)
- Stress testing of storage and network traffic load

## CERTIFICATES

Certified Kubernetes Administrator (CNAF) | 05.2019

## LINKS

<https://github.com/deanmax>

<https://hub.docker.com/r/rwang>

## ACADEMIC PROJECTS

### VM Placement and Scaling | Python, CentOS, KVM

- Statically place and schedule, dynamically scale and migrate Virtual Machines to optimize resource utilization by using efficient VM algorithms

### Java implementation of Distributed File System | Java, GFS

- A re-implement of Google File System, supporting file create/append/read, replication/crash recovery with scalable data nodes