



# Mike Zhen

Software Engineer

## Personal Info

### Address

4039 S Campbell Ave  
Chicago, IL 60632

### Phone

(312) 593-6207

### E-mail

mike.zhen@icloud.com



## Experience

Dec 2018–  
present

### Senior Software Engineer

Capital One

Full-stack Development

- Developed new UI features and associated microservice APIs for React web application
- Wrote Golang services to collect and aggregate data from different sources across the enterprise
- Containerized application services using Docker and automated service deployments onto AWS ECS cluster
- Enhanced Jenkins pipeline to decrease overall deployment time and streamline cross-region failover in AWS for application stack

Jul 2016 –  
Dec 2018

### Software Engineer

Capital One

Cloud Architecture & DevOps

- Designed solutions for 8 vendor application migrations into AWS based on gathered information for technology and business constraints
- Automated cloud infrastructure provisioning and application deployments using Terraform and Ansible
- Innovated new implementations to overcome failures which ultimately reduced overall application RTO

Cloud Governance

- Wrote Python scripts to encrypt all data at rest across different AWS environments for EBS, RDS, and S3 resources in order to reach data security compliance with regulators
- Repurposed scripts into event-driven AWS Lambda functions to maintain 100% data encryption, which was later incorporated into internal compliance engine

Jul 2015 –  
Jul 2016

### Associate Software Engineer

Capital One

Application Development

- Built MEAN stack web application from ground-up as internal solution: data transformation and load into MongoDB, AngularJS frontend design with open source themes, as well as REST API development on Express framework
- Setup code approval process on GitHub and automated application deployment using Jenkins upon approval to master branch



## Education

Aug 2011 –  
May 2015

### University of Illinois at Urbana-Champaign

Bachelor of Science in Computer Engineering



## Summary

Quick-learning software engineer with experience in full-stack development and designing AWS cloud solutions. Supportive and enthusiastic team player dedicated to streamlining processes and efficiently resolving project issues.



## Skills

Amazon Web Services

Python

React

Node.js

Golang

Angular

MongoDB

Docker

Jenkins

Git

Terraform

Ansible