

Xiao He

Aspiring software developer with proven skills in team communication and project management. Self-starter and avid tech explorer with experience in growing startups.

San Francisco, CA, U.S.A

xiaojunhe.com

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Experience

Twilio Inc. – San Francisco, CA

Senior Cloud Security Engineer April 2020 to Present

- Perform threat modeling, incident response and least-privilege analysis on roles.
- Create security guardrail baselines in SCP and automation for multi-account effort.

Security Engineer II April 2019 to April 2020

- Migrated all production bastion SSH access from X.509 certificate to Yubikey One-Time-Password(OTP).
- Initiated cloud resources ownership tagging effort for over 500 high risks external facing resources.

Software Engineer August 2018 to April 2019

- Developed tooling with AWS Step functions, Lambdas and DynamoDB to detect and remediate security deviations for AWS cloud infrastructure.
- Reduced wildcard certificates' blast radius on 200+ roles and 800+ hosts.

Kilter, Inc – Madison, WI

Co-founder & CTO June 2016 to January 2019

- Directed technology decisions and oversaw development of mobile and web apps.
- Designed and developed AWS cloud infrastructure with services running Golang APIs, PHP, Python, Angular5 website and CI/CD pipeline.

Industrial Refrigeration Consortium – Madison, WI

Lead Software Engineer April 2016 to February 2017

- Refactored legacy PHP code base and managed MySQL database and web server.
- Redesigned internal management system with Bootstrap and jQuery.
- Developed and maintained all IRC and HVAC&R Center websites and databases.

UW-Madison IoT Systems Research Center – Madison, WI

Researcher September 2015 to September 2016

- Designed a hardware interface with Arduino YUN to provide activity analytic for gyms.
- Implemented integration of Amazon Echo and Slack with AWS Lambda and webhooks.

Education

University of Wisconsin, Madison

- Bachelor's Degree (Honor), Computer Engineering
- Bachelor's Degree, Computer Sciences

Certifications

AWS Solutions
Architect – Associate

AWS Certified
Developer – Associate

GIAC – GSEC

AWS Cloud Practitioner

Technologies

AWS
DevSecOps
IAM
VPC
Apache
AngularJS
Burp Suite
Docker
Metasploit
Nmap
Nginx
Node.js
React
React Native
D3.js

Languages

Python	(Proficient)
Golang	(Proficient)
PHP	(Proficient)
MySQL	(Familiar)
JavaScript	(Familiar)