**Ryan Keller**

Software Engineer with a background in security and DevOps. B.S. in Informatics and Cybersecurity from U. of Washington.

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Professional Experience

Crossover Health

## Software Engineer, Web 2018 – Current

* Design, develop and maintain cross-platform web and native applications.
* Developed a cross-application session management system via OAuth 2.
* Developed and fully tested a companywide cross-platform UI library
* Created CI/CD pipelines for fully automated testing and deployments.

Technologies: TypeScript, React / React Native, Webpack, Cypress, Docker

Capital One

## Software Engineering Intern, Security 2018

* Led a project team of 6 developers – providing 1:1 mentorship, system designs, and defining and implementing application architecture.
* Developed full stack security applications used to define and enforce security policies, profile attack vectors, and automatically triage breaches.

Technologies: Go, Node, React, Webpack, Rollup, MongoDB, AWS

T-Mobile

## Security Engineering Co-Op 2017 – 2018

* Researched emerging solutions for security infrastructure automation, creating proofs-of-concept capable of scaling to support 14,000 nodes.
* Developed full stack applications and data ingestion systems for cyber threat intelligence, automating the collection of emerging threat data.

Technologies: Wireshark, Burp Suite, Micro-Segmentation, Node, React

## DevOps Engineering Co-Op 2017

* Automated continuous integration pipelines and provisioning of cloud “Infrastructure on Demand” using bash scripts, Puppet and Ansible.

Technologies: Puppet, Ansible, Ruby, Bash, JavaScript, Unix systems

University of Washington

## Software Engineer, Web 2017 – 2018

* Developed a bespoke IT project management web app used to select and grant $12 million in funding to over 100 campus projects annually.

Technologies: Node, React, Redux, Webpack, MySQL, MongoDB, AWS

## Network Specialist 2016 – 2017

* Developed automation systems for automatically provisioning, deploying, and managing network infrastructure using Python and Ansible playbooks.

Technologies: Python, Ansible, Bash, Network Design and Configuration

Additional Experience

# Starbucks Corporation

## Service Desk Analyst 2015 – 2016

University of North Texas

## Research Lab Manager – Health Psychology 2013 – 2015

Education

University of Washington

## Bachelor of Science in Informatics and Cybersecurity

Graduated March 2019; 3.7 GPA

Code Fellows, Seattle

## Advanced Web Development

Completed January 2017

Skills

## Front-End Development

JavaScript ES7, TypeScript, React, Redux, MobX, Vue, Handlebars, EJS

## Data Visualization

D3.js and React-Vis / React D3, Victory, Recharts, amCharts, Leaflet

## Back-End Development

Golang, Ruby, NodeJS, Express, Koa, Feathers, Restify, Adonis, Micro

## Build Infrastructure for Web

Babel, Webpack, Rollup, Gulp, Brunch, CSS Modules, Code Splitting

## Testing & Quality Assurance

Jest & Enzyme, Cypress, Mocha, Chai

## DevOps & CI/CD

Puppet, Ansible, Jenkins, Travis, CircleCI, Docker, AWS (EC2, ECS)

## Database Administration

MySQL, Postgres, MongoDB, Firestore, Redis, GraphQL & Apollo

## IT Service Management

Project Management, Systems Design & Integration, Incident Management

## Penetration Testing

Burp, Nmap, Metasploit, Aircrack-ng

## Security Architecture

Micro-Segmentation, SDP, NAC

## Identity Management

Active Directory, NAC, Federated IDP