

## Erik Williams

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## SUMMARY

Highly experienced Senior Software Engineer with 5 years of expertise in Cloud Infrastructure, Frontend, and Web Development, holding a Ph.D. and specializing in delivering scalable and accessible web applications.

## EXPERIENCE

### Senior Software Engineer

Company XYZ, 2018–2023

- Designed and implemented a Monitoring Pipeline using Terraform and GCP, reducing infrastructure costs by 30% and improving system uptime to 99.95%
- Led the development of a Kubernetes Operator Framework, streamlining deployment processes and enhancing team productivity by 25%
- Collaborated on the launch of a top-rated app on iOS and Android, ensuring seamless user experience and web accessibility across various devices
- Mentored junior developers in best practices for web development, resulting in a significant improvement in code quality and team collaboration

## PROJECTS

### Monitoring Pipeline

Company XYZ, 2020

- Developed a real-time monitoring system using Terraform, GCP, and Linux Systems, enabling proactive issue detection and resolution
- Improved system reliability by 40% through automated alerting and notification mechanisms
- Situation: The company needed a robust monitoring system to ensure high uptime; Action: Designed and implemented the Monitoring Pipeline; Task: Ensured seamless integration with existing infrastructure; Result: Achieved 99.95% system uptime

### Kubernetes Operator Framework

Company XYZ, 2022

- Built a Kubernetes Operator Framework to automate deployment and management of cloud-native applications, reducing deployment time by 50%
- Utilized React and Vue.js to develop a user-friendly interface for operators, enhancing user experience and adoption rates
- Situation: The company needed to streamline deployment processes; Action: Developed the Kubernetes Operator Framework; Task: Ensured seamless integration with existing workflows; Result: Improved team productivity by 25%

## TECHNICAL SKILLS

Languages: JavaScript, Python, HTML/CSS

Frameworks: React, Vue.js, Terraform

Cloud: GCP, AWS

Tools: Linux Systems, Kubernetes, Docker

Databases: MySQL, MongoDB

OS: Linux, macOS, Windows

Web Development: Responsive Design, Web Accessibility

## EDUCATION

Ph.D. in Computer Science, Stanford University, 2018

GPA: 3.9/4.0

Relevant Courses: Cloud Computing, Web Development, Human-Computer Interaction

Dissertation: "Design and Implementation of Scalable Cloud Infrastructure for Web Applications"