

## Benjamin Toll

Princeton, MA

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## Professional Summary

Experienced Software Engineer with a strong background in full-stack development, cloud computing, and automation. Adept at designing and building scalable applications, optimizing system performance, and implementing security best practices. Passionate about problem-solving, collaborating with cross-functional teams, and mentoring junior engineers.

## Technical Skills

- **Languages:** Go, Python, C, JavaScript, Ruby, Bash
- **Frameworks & Libraries:** React, Node.js, Django, Express, Ginkgo
- **Databases:** PostgreSQL, MySQL, MongoDB, Redis
- **Cloud & DevOps:** Kubernetes, OpenShift, Prow, Podman, Docker, AWS, Terraform, Ansible, CI/CD, GitOps
- **Tools & Platforms:** Git, GitHub, GitLab, Jira, Jenkins

## Professional Experience

### Red Hat

*Site Reliability Engineer and Technical Lead | October 2024 – Present*

- Technical lead for both onshore and offshore teams. Duties include identifying, defining and assigning work tickets to team members, troubleshooting and unblocking team members, performing code reviews and making sure the trains run on time.
- Develop and maintain software solutions for OpenShift clusters (ROSA) using Go and Shell scripts.
- Mentor junior developers.
- Improve system performance and API functionality through robust tooling, testing and optimization.

### Veriforce

*Principal DevOps Engineer | December 2023 – October 2024*

- Spearheaded the transition to GitOps for Kubernetes cluster management.
- Designed scalable software architectures using Kubernetes, Docker, and Ansible.
- Conducted research, technical demos, and mentorship programs to enhance team skills.

### Taos/IBM

*Senior Software and DevOps Engineer | June 2021 – October 2022*

- Improved application security by enforcing Kubernetes best practices and vulnerability scanning.
- Developed automation tools in Go, Python, and Ruby to streamline DevOps workflows.
- Managed AWS services (S3, EC2, EKS, IAM) and Infrastructure as Code with Terraform and Ansible.

### Algorand

*Software DevOps Engineer | November 2019 – February 2021*

- Developed and optimized CI/CD pipelines using Kubernetes and Jenkins.
- Built scalable backend services in Python and Go.
- Conducted code reviews and enhanced security measures in application deployments.

## **Consultant**

*Software Engineer | January 2016 – October 2022*

- Designed and developed full-stack applications with JavaScript (React), Elm, and Go.
- Optimized database performance and caching strategies with Redis and Memcached.
- Performed security audits and penetration testing to enhance system resilience.

## **Sencha Inc**

*Software Engineer | May 2013 – December 2015*

- Maintained and improved the Ext framework, developing new features and resolving critical bugs.
- Designed and implemented a revamped gridfilters API for Sencha 5.
- Contributed to internal tooling and developer productivity enhancements.

## **Yahoo!**

*Software Engineer | November 2009 – May 2011*

- Developed and maintained JavaScript applications for Yahoo's Connected TV platform.
- Principal maintainer for high-profile applications like eBay, NFL, and Yahoo TV.

## **GoDaddy**

*Software Engineer | January 2009 – November 2009*

- Led frontend development for the eCommerce team, optimizing UI/UX for customer engagement.

## **Education**

### **University of New Mexico**

*BA, History | 1996 - 1999*

- **Honors:** Summa Cum Laude, Phi Beta Kappa, Phi Alpha Theta

## **Certifications**

- Certified Kubernetes Administrator (CKA)
- Linux Essentials (LE-1) – Linux Professional Institute
- Kubernetes and Cloud Native Associate – The Linux Foundation

## **Languages**

- English (Native/Fluent)
- Italian (Conversational)