

Christopher L. Proto

DEVOPS ENGINEERING · CONSULTING · SOFTWARE DELIVERY & AUTOMATION

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Technologies & Skills

Operations	DevOps Expert, Budget & Resource Planning, Security Governance & Policy Design
ITIL Practices	Capacity Management, Incident Management, Event Management
Communication	RASCI, Minto Framework
Management	The DevOps Three Ways Principles, Systems Thinking
Security Frameworks and Compliance Standards	PCI-DSS
Amazon Web Services	EC2, ELB, S3, CloudFront, CloudWatch, RDS, EBS, Redshift
Web Technologies	Wordpress, CDNs, Fastly, Apache, Nginx
DevOps Technologies	Splunk, Jenkins, Graphite, Nagios, Docker, Puppet, Terraform, Packer, Vagrant, Kubernetes
Network & Data Center Technologies	Palo Alto, Juniper, Aruba
Automated Test Frameworks	Selenium, Geb, Blazemeter, JMeter
Data & Compute Platforms	PostgreSQL, MySQL, Spark, DataVirtuality
Programming	Python, Java, JavaScript, Groovy, PHP, Bash, \LaTeX
Certifications	AWS Certified Solutions Architect, AWS Certified SysOps Administrator

Experience

DevOps Gorilla LLC

Denver, CO

FOUNDER

Jan. 2018 - Present

- Founder, owner, operator of DevOps Gorilla LLC., an independent freelance company specializing in DevOps engineering, technology consulting, and other technical services
- Content writing for <https://www.devopsgorilla.com/blog/>. Topics range from DevOps "How-Tos", opinion pieces, and weekly commentary on cloud providers
- **DevOps Consulting Contract, Havenly (Denver, CO)** – Evaluated existing application stack and CI/CD process. Conducted 1:1 Interviews with Engineers and Product Managers. Culminated in executive summary and detailed recommendations for a cloud-native CI/CD solution with Blue-Green style deployments
- **Technical Content Writing, Root Level Technology (Houston, TX)** – Wrote technical blog posts on subjects ranging from web application firewalls to software namespacing intended to drive organic search traffic.
- **DevOps Engineering Contract, Patroness (Denver, CO)** – Developed and deployed serverless functions to record events from IoT devices
- **DevOps Engineering Contract, LifeCo (New York City, NY)** – Implemented Web Application Firewall and developed cloud infrastructure management workflow using Terraform. Conducted evaluation of existing dev/stage/production network environments and prepared diagrams and recommendations for improving their Virtual Private Cloud configuration.
- **DevOps Engineering Contract, Guild Education (Denver, CO)** – Evaluated central logging solutions (DataDog, Splunk, SumoLogic, ELK), implemented solution with documented workflow, monitoring, and runbooks. Analyzed Penetration Test reports and supplied recommendations and remediation steps. Solution Architect for several serverless applications. Assisted with designing new workflows and automation for serverless deployments

Craftsy

Denver, CO

DEVOPS MANAGER

Oct. 2015 - Mar. 2018

- Supervised IT and Product Development Operations that supported 200+ employees across 3 geographic locations
- Supervised the DevOps team's project to build an automated Continuous Delivery system. Increased production releases up to 40x a week
- Managed budget and security policy for three AWS accounts
- Reduced annual AWS spend by 15%
- Consulted cross-functional groups on Technology Operations solutions
- Supervised Desktop Support, Storage Networks, User Directories, Network Systems, and Digital Asset Management – mission critical systems for the entire company
- Managed vendors supporting critical systems such as Storage, Networking, Content Distribution, IT services, and Data Warehousing
- Designed governance & policy standards for Change Management, Security, Internal SLAs, Event Management, Release Management, Documentation, and Incident Response
- Designed the on-call policy for the DevOps, IT, Frontend, and Platform teams to drive year-round 24/7 support of all critical back office and customer facing services
- Led our Site Reliability Engineering group – a cross-functional team focused on reliability, business continuity, and disaster recovery

Craftsy

Denver, CO

LEAD DEVOPS ENGINEER

Dec. 2014 - Oct. 2015

- Technical and Operational Lead for the DevOps Engineering team
- Introduced "Infrastructure-as-Code" (Terraform) to the team. Designed and implemented the IaC solution to manage IAM, VPC, SQS, S3, and other AWS services across three AWS accounts
- Delivered complex, cross-functional IT projects for the Dir. of DevOps and the VP of Infrastructure
- Designed job requests and interview questions for growing the DevOps Engineering team
- Trained DevOps Engineers on technical and communication skills

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Denver, CO

DEVOPS ENGINEER

Feb. 2013 - Dec. 2014

- Adopted DevOps best practices including Systems Thinking and the "Three Ways" Principles
- Participated in a regular 24/7 IT support rotation
- Collected requirements from internal stakeholders and architected tools to support our Content Production, Marketing, and eCommerce departments
- Worked closely with a back office Product Manager to develop Administrative tooling and Content Management Systems
- Developed solutions in a fast-paced, "hyper-growth" startup growing 150% in revenue YoY

Fusionbox, Inc.

Denver, CO

WEB DEVELOPER AND CONSULTANT

Oct. 2010 - Feb. 2013

- Technical Lead for over a dozen web applications
- Worked closely with customers, sales, and project management to develop requirements, milestones, and project plans
- Standardized workflows, request management, change management, and incident response using cutting edge technologies
- Co-developed a Project Management web application for tracking billable time and managing incidents, bugs, and feature requests

University of Colorado, Dept. of Electrical Engineering

Boulder, CO

PROFESSIONAL RESEARCH ASSISTANT (CONTRACTOR)

Jun. 2010 - Sep. 2010

- Organized a group of graduate students to develop an online, encrypted diary used in research projects
- Gathered requirements from stakeholders, tracked progress, organized presentations of the end product for approval
- Developed a hand-off and maintenance plan for the research team

Certifications & Awards

Certified Solutions Architect Associate

Verification

AMAZON WEB SERVICES

- Define a solution using architectural design principles based on customer requirements.
- Provide implementation guidance based on best practices to the organization throughout the life cycle of the project.

Certified SysOps Administrator Associate

Verification

AMAZON WEB SERVICES

- Deploying, managing, and operating scalable, highly available, and fault-tolerant systems on AWS
- Migrating an existing on-premises application to AWS
- Selecting the appropriate AWS service based on compute, data, or security requirements
- Identifying appropriate use of AWS operational best practices

Education

Villanova University

Villanova, Pennsylvania

B.S. IN COMPUTER ENGINEERING

- IEEE Student Member
- Eta Kappa Nu - Electrical and Computer Engineering Fraternity
- Math Learning Resource Tutor (Calc I & II, Differential Equations, Statistics)
- Developed an "encrypted File Transfer Protocol" for our Senior Project. Awarded First Prize.

Presentations

AWS Loft Days

New York City & San Francisco

SPEAKER

March & April, 2018

- Two engagements during the Spring of 2018. One in NYC and one in San Francisco
- Customer story detailing a real incident and our disaster recovery strategy that used AWS Snowball
- Audience discussion regarding storage strategies in AWS

Comcast DevOps Days

Denver, CO

SPEAKER

August, 2018

- Presentation on running a lean Site Reliability Engineering team by self-organizing cross-functional teams around KPI goals

CD Summit & Jenkins Days

Denver, CO

SPEAKER

Sep. 2016

- Detailed presentation on strategies for Continuous Delivery, Deployments, Release Management using OSS such as Jenkins, Terraform, and Packer

DevOps Days Rockies

Denver, CO

SPEAKER

April 2016

- Fifteen minute lightning talk on re-designing the Deployment automation for Craftsyt

Writing

DevOps Gorilla Blog

AUTHOR

Jan. 2018 -

- Articles and content with a DevOps Engineering focus
- <https://www.devopsgorilla.com/blog/>

Proto, Typing

AUTHOR

Sep. 2015 - July 2016

- Personal and Professional Blog
- <http://chrispro.to/>

Python-Flask-uWSGI-Setuptools: How To Deploy Simple WSGI Applications

CONTRIBUTOR

May 23 2014

- "Quick Start" guide for developing WSGI apps using Python
- <http://enginerds.craftsy.com/>

Design and Implementation of an IEEE-754 Floating Point Unit

RESEARCH ASSISTANT

Oct. 2009

- Architected a IEEE-754 compliant Floating Point Processing Unit culminating in a professional research report describing the approach and results
- <http://chrispro.to/archive/fpu-report.pdf>