



# ROSE CRISP

Chapel Hill, NC 27517

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## SUMMARY

Seasoned senior software developer offering over 15 years experience and expertise in Software Development Life Cycle, developer advocate, and conduct in-depth workshop on Operator Framework, and Kubernetes Operator.

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## SKILLS

- Kubernetes, Golang, Python, Operator Framework, Kubebuilder, Openshift.
  - CI/CD pipeline, source management, and build operations
  - Lead Operator Framework workshops
  - Proficient in agile development practices
  - Passionate Kubernetes advocate, active in speaking and blogging
  - Curious, high energy, tenacious problem-solver
  - Fervent advocate for bridging the practical gap between using and developing software
  - Fluent in Mandarin and Spanish
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## EXPERIENCE

**Sr Software Engineer** / Red Hat - Raleigh, NC

02/2020 - Current

### Operator enablement team

- Deliver tailored, high-touch engineering support by collaborating with partners to construct robust, enterprise-scale solutions leveraging Kubernetes Operators.
- Facilitate comprehensive training modules for partners to enhance proficiency with the Kubernetes Operator Framework.
- Engineer and present functional Kubernetes Operator demonstrations to showcase potential applications and efficiencies.

**Sr Software Developer** / SAS Institute Inc. - Cary, NC

04/2019 - 12/2019

- Develop CI/CD roadmap and implement to the project.
- CI integration with Jenkins and GitLab. Automate security scanning with BlackDuck and Checkmarx. Incorporate tests, and build Docker images.
- Automate deployment with K8s, Docker containers, and Helm charts.
- Design and implement helper scripts with Ansible, Terraform, Docker, K8s, Helm, Bash, Vault, Openstack.

**Sr Software Developer** / SAS Institute Inc. - Cary, NC

05/2015 - 04/2019

- Automated and increased production by 400% of the SAS Software escrow process with Jenkins, scripting Perl, Bash, and Mysql to replace the outdated, inefficient process.
- Merged the Midas software tracking system with the SDSSCM registration process with web client written in node.js.
- Managed over 600 N+1 software feature releases per year from infrastructure setup to delivery.
- Lead developer for the Workflow application written in PHP and Mysql that drives the N+1 process.

**Sr Software Developer, Source Management Team** / SAS Institute Inc. - Cary, NC

05/1997 - 05/2015

- Maintained and updated SAS application SDSSCM written in SAS SCL and Base SAS, a source management tool

for catalogs and data sets.

- Strategized, created, and managed CVS including domain, and platform and feature-specific branches.

**Associate Systems Administrator** / SAS Institute - Cary, NC

*04/1996 - 05/1997*

**Technical Student** / SAS Institute - Cary, NC

*06/1994 - 04/1996*

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## **EDUCATION AND TRAINING**

**Bachelor of Science:** Computer Science

North Carolina State University - Raleigh, NC

1989-1992: Completed 127 credits towards Bachelor of Science.