Abhishek Rai

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ABOUT ME

Experienced engineer focused on highly available and hyper scalable infrastructure, developer productivity and reliable software delivery

EDUCATION

NEW YORK UNIVERSITY
MASTERS OF SCIENCE
2014-2016 | New York
Computer Science

BIRLA INSTITUTE OF TECH.
BACHELOR OF ENGINEERING
2009-2013 | Mesra, India
Computer Science

PROFILES

Github: **darthfork**
LinkedIn: **abhishekrai56**
StackOverflow: **abhishek-rai**

SKILLS

PROGRAMMING
Over 5000 lines:
C • Python
Over 1000 lines:
GoLang • terraform • bash
Familiar:
C++ • Ruby

TECHNOLOGIES
• CICD Architecture
• Kubernetes
• Linux

OPEN SOURCE

Dorker: **dorker**
git-blame.vim: **git-blame.vim**

EXPERIENCE

FORTINET INC. | STAFF SITE RELIABILITY ENGINEER
Aug 2024 - Present | Sunnyvale, CA
- Staff Site Reliability Engineer, Developer Infrastructure
- Managed an infrastructure cost control initiative post acquisition
- Planning for Lacework's Development Infrastructure migration to Fortinet's Internal Infrastructure
- Re-Designing FortiCNAPP's Bazel build infrastructure for the migration
- Auditing monitoring requirements for the new infrastructure
- Technologies: Golang, Prometheus, RedHat OpenShift

LACEWORK INC. | SENIOR SITE RELIABILITY ENGINEER
Oct 2020 - Aug 2024 | Mountain View, CA

- Senior Site Reliability Engineer, Developer Infrastructure
- Implemented custom monitoring solutions for better reliability of Lacework's CI Infrastructure
- Managed infrastructure components for Lacework's bazel build system
- Implemented Backstage as a centralized information center for Lacework Platform services
- Re-architected components of Lacework platform to run on ARM64 for cost optimization
- Implemented continous deployment of Lacework platform to Kubernetes cluster with ArgoCD
- Managed transition of Lacework's continous integration system from codefresh to Github Actions
- Technologies: Golang, Kubernetes, Helm3, ArgoCD, Github Actions

PINDROP INC. | SOFTWARE ENGINEER, PLATFORM
Jul 2016 - Oct 2020 | Atlanta, GA

- Software Engineer in System Software Infrastructure Group
- Created new High Availability solution for On premise systems
- Implemented Raft leader election and consensus algorithm as part of the HA solution
- Automated deployments of cloud platform with drone ci/cd
- Designed and developed a new telemetry and alerting framework for the on-prem product
- Created a new REST based configuration system for the on-prem product
- Technologies: C, Python, RHEL, Terraform, AWS, drone

DEALSAFE INC. | SOFTWARE ENGINEER
Jun 2016 - Jul 2016 | New York, NY

- Created a system for Searching and Indexing Documents scanned by OCR
- Technologies: Python-Flask, ElasticSearch, Ruby on Rails, MySQL

PAST EXPERIENCES
Feb 2015 - Dec 2015

- Research Assistant at New York University
- Summer Internship at Adobe Inc.
- Winter Semester Internship at Books That Grow Inc.