

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: [abhishekrain56](#)

StackOverflow: [abhishek-rai](#)

SKILLS

PROGRAMMING

Over 5000 lines:

C • Python

Over 1000 lines:

GoLang • terraform • bash

Familiar:

Rust • Ruby

TECHNOLOGIES

- Kubernetes
- CICD Systems (Jenkins, Github actions)
- Linux (RHEL and Canonical)
- Redis
- Python Flask and Fast-API

OPEN SOURCE

Pythonmstpl: [pythonmstpl](#)

Dorker: [dorker](#)

EXPERIENCE

LACEWORK INC. | SENIOR SITE RELIABILITY ENGINEER

Oct 2020 - Present | San Jose, CA

- Senior Site Reliability Engineer in Build/Release Team
- Automated multi-architecture (AMD64/ARM64/Alpine) builds and signing for Lacework Agent with Github Actions
- Re-architected components of Lacework platform to run on ARM64 for cost optimization
- Implemented continuous deployment of Lacework platform to Kubernetes cluster with ArgoCD
- Re-architected Lacework Platform to run multiple deployments in the same kubernetes clusters using namespaces
- Implemented Backstage as a centralized information center for Lacework Platform services
- 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
- Managed terraform codebase for aws-multi-account setup of the cloud platform
- 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
- Created Backend API to serve Mobile and Front-end web apps
- Technologies: Python-Flask, Elasticsearch, Ruby on Rails, MySQL

NEW YORK UNIVERSITY | RESEARCH ASSISTANT

Sep 2015 - Dec 2015 | New York, NY

- Designed Undergraduate Student on-boarding application - PreReg
- Integrated Single Sign-on Service to the application via NYU Shibboleth System
- Technologies: PHP, MySQL, Apache, HTML5, CSS3, Javascript

AUTODESK INC. | SOFTWARE ENGINEERING INTERN

Jun 2015 - Aug 2015 | San Francisco, CA

- Designed a web based in-house Analytics tool to analyze data aggregated from various different analytics platforms
- Technologies: Ruby on Rails, Sinatra-Ruby, DCJS, Segment Ruby and JavaScript API, Redshift