

# Dhruv Salwan

SOFTWARE ENGINEER · CLOUD

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## Summary

Focused, efficient and reliable Software Engineer with experience in developing and debugging tools to provide secure and cost-efficient use of AWS Cloud. Diversified skill sets covering software development, agile methodology, automation and user support. Excellent interpersonal, phone and digital communication skills.

## Skills

<b>Programming</b>	Python, Java(Basic), JSON, YAML, HTML5, Markdown, LaTeX
<b>SDK and Frameworks</b>	Boto3, Jinja2, Jekyll
<b>Cloud</b>	AWS(Elastic Container Services, EC2, EBS, S3, ELB, CloudFormation, Lambda), Terraform(Basic)
<b>Operating Systems</b>	Linux, MacOS, Windows
<b>Tools</b>	Git, GitHub, Docker, Jenkins, PyCharm, Atom, Wordpress
<b>Monitoring and Tracking</b>	ElasticSearch, Confluence, JIRA, PagerDuty, Datadog, HealthCheck, Sentry

## Work Experience

### CapitalOne

McLean, Virginia

SOFTWARE ENGINEER

Oct. 2016 - PRESENT

- Centralized Cloud Custodian policy development at the Enterprise level to achieve consistency, security and cost-effectiveness in AWS Cloud Infrastructure.
- Develop, test and maintain functionalities in Cloud Custodian to support encryption, tagging, backups, off-hours, network security for all services in AWS Cloud.
- Develop backend for Cloud Custodian Dashboard consuming data from SQS and indexing in Elasticsearch using Python Elasticsearch API.
- Maintain clear and up-to-date documentation for Internal Cloud Custodian policies using GitHub Pages.
- Design effective Jinja2 templates to notify and educate end users to safely use AWS Infrastructure.
- Deploy Jenkins jobs to enable push button deployment of Docker Images to keep infrastructure synced with new updates.
- Deploy new Services like Sentry Error Traking in AWS Elastic Container Services using CloudFormation Task and Service Definitions, ECS Clusters and Custom Docker images.
- Fix bugs reported by contributors on the Public Github Repository, communicate on the Issues on Public Github, peer review Code in the Pull Requests on Public and Private Repositories, actively partipate on Project's Gitter conversations
- Write Python scripts to automate weekly and monthly reports.
- Monitor status of application by following on-call rotations using PagerDuty, involve Technical Operations to work with other teams during rotations.
- Train and Develop new associates on using CapitalOne open source projects, underlying infrastructure and team culture.
- Actively participate in Agile meetings like PI Planning, Retrospective, Daily standups and Deep Dive sessions, to effectively work with the team and complete assigned tasks.
- Provide email and phone support to other Software Engineers about securely and efficiently using AWS Infrastructure.

### Kamla Hotels

Downey, California

NETWORK ENGINEER INTERN

May 2015 - Aug. 2015

- Analyzed and fixed complex software and hardware matters of significance pertaining to networking connectivity issues.
- Checked with user guides, technical manuals to find solutions and develop skills in testing network topologies.
- Installed and repaired routers and switches by referring to Manufacturer's handbook, install softwares onto new PCs, Laptops or Phones to help onboard new employees.
- Optimized search results for Company's chain of Hotels by using Search Engine Optimization, implemented by posting articles and blogs containing specific keywords.

### California State University, Long Beach

Long Beach, California

STUDENT DESKTOP SUPPORT

Feb 2015 - May 2016

- Installed, repaired, replaced and upgraded IT equipment including PCs, Laptops and Printers.
- Held sessions on MS Office, Windows tutorials and University's custom tools and databases for end users in multiple departments.
- Collected, systemized and recorded problem and solution logs.
- Provided ongoing support to users regarding systems and networks.

## Certifications

### AWS Certified Solutions Architect- Associate

Dec. 2017

## Education

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### California State University

MASTER OF COMPUTER SCIENCE

*Long Beach, California*

*Aug. 2014 - May. 2016*

### Kurukshetra University

BACHELORS OF TECHNOLOGY IN COMPUTER SCIENCE

*Kurukshetra, India*

*Aug. 2010 - May. 2014*

## Personal Projects

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### Perfect-CV

[WWW.GITHUB.COM/SALWANDHRUVDEV/PERFECT-CV](http://WWW.GITHUB.COM/SALWANDHRUVDEV/PERFECT-CV)

- This resume is the output of Perfect-CV.

*Sep. 2017*

### Terminal Customization

[WWW.GITHUB.COM/SALWANDHRUVDEV/TERMINAL\\_CUSTOMIZATION](http://WWW.GITHUB.COM/SALWANDHRUVDEV/TERMINAL_CUSTOMIZATION)

- Customize Mac Terminal and developed script which configures z-shell, Oh-My-Zsh, iTerm2, to make the settings portable.

*July. 2017*

### SafeDrive

ACADEMIC PROJECT - ANDROID APPLICATIONS

- An Android application which used Accelerometer and Orientation sensor readings to detect if a driver is drunk. Features included Google Maps and implemented algorithm from an IEEE paper.

*Jan. 2016*

### Proxyed

ACADEMIC PROJECT - CRYPTOGRAPHY

- A Java application which allowed secure transfer of data between Client and Server. Security features included AES-256, HMAC and RSA algorithms.

*Sep. 2015*