

# AKSHAY PRAKASH JOSHI

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Links-

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[www.github.com/joshiakshay91](https://www.github.com/joshiakshay91)

## EXPERIENCE

### Site Reliability Engineer — *Marketo, San Mateo*

February 2017 - Present

- Managing LAMP based environment
- Developing **DevOps pipeline** with GCP, and on premises hardware
- DevOps software used for building pipeline Packer, Terraform and Jenkins
- Using tool like **Nagios**, **Datadog**, Foreman, Puppet, Ambari
- Programming in Python to automate and schedule process

### Software Developer — *IOVOX, Chico*

November 2016 - February 2017

- Developed **REST** integration of MS Dynamics CRM with IOVOX's product
- Technology used is **PHP** and database used is **MariaDB**

### Software Developer Intern — *Sungard K-12 (FIS), Chico*

May 2016 - November 2016

- Worked on development and maintenance of K-12's software Business Plus
- Worked on codes in **C#**, **.NET**, **javascript**, **RESTful API**, **AngularJS**
- Automated the migration of codebase from RCS to TFS with bash scripting

## EDUCATION

### M.S Computer Science — *California State University, Chico*

August 2014 - December 2016

Major GPA: 3.77

### B.E Electronics Engineer — *University of Pune, India*

August 2010 - June 2013

GPA: 3.32

## PROJECTS

### SRE -Form Fill Out Saver — *Python, bash script*

(July 2017)

- Python based project to protect the organisation from large form fill out attack
- Tied it with current Nagios alert, also sends out emails to all the System Administrators in the company
- Puts impacting customer in dormant state giving Sys admin time to block IPs through iptables
- Saves the Pod from going down by protecting number of connections opened to the DB giving more reliable solution to rest of the customers on the pod

### Library Search Engine — *C++, PHP, HTML5*

(September 2015)

- Uses object oriented methods to search through database in .txt file, creates card catalogue of database
- It uses HTML5 & PHP with different search options like call number, title, subject and other field

### Data Scraping — *Python, JSON*

(April 2016)

- Wrote different Python scripts which **extract or push data on a website**, scripts for liking all the posts on facebook by a specific facebook page
- Script for posting tweets on twitter.com through shell command in Linux
- Weather app in **Python**, which pulls data from JSON reply

### Gold Chase Multiplayer — *C++, Linux*

(April 2016)

- A multiplayer gold chase game in C++ uses **shared memory**, **semaphores** and socket programming
- Creates **server and client daemon**, integrates **POSIX message queues**

## EXTRA CURRICULAR

Contributed in KDevelop an open source IDE.

## LANGUAGES

Python, C++, C, C#, PHP, shell scripting

## Sys Admin /DevOps Skills

DNS, Using containers, TCP/IP, VLANs, DHCP, MTA configuration, managing VPCs, NAS, SAN, Kickstarting

## TOOLS

Nagios, CI tools, Visual Studio, JIRA, Foreman, Spacewalk, Puppet, Vim, Atom, version control (Git, SVN, TFS)

## WEB DEVELOPMENT

HTML5/CSS, angularJS, XML, AJAX, javascript, jQuery, Wordpress, Bootstrap

## SCRUM SKILLS

Agile, Business process design, **Project management**, Clear communication, **Team player**, Business strategic planning

## OPERATING SYSTEMS

RHEL 6.7, CentOS 7, HP-UX 11.11, Kali, Ubuntu, Windows server 2012