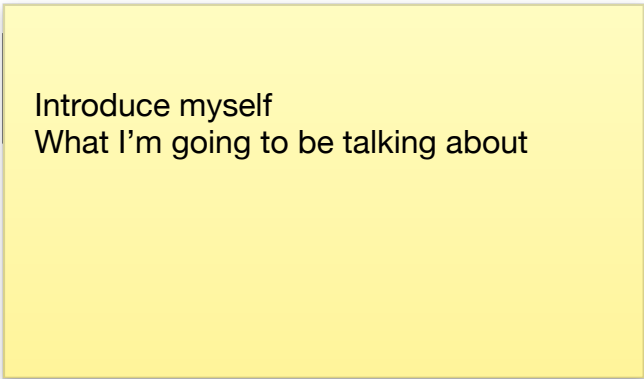# Rackspace Externship Retrospective

Introduce myself
What I'm going to be talking about

Thank:
Tweeks
Robert McAden
Meghan Dembrosky
All the teams

Export to multiple formats and bring on thumb drive

About me

- 15 years old

- Played cello for 8 years

- Programmed in some form for 8 years

- Competed in 3 hackathons and won one sponsor prize

- Developing a basic operating system

- Working on releasing my first website

- Taught classes with LCBB

What I wanted to learn

- CI/CD

- C#

- Javascript

- Good development practices

What I did to learn

✓ CI/CD

✓ C#

✓ Javascript

✓ Good development practices

✓ Agile

✓ Chef

✓ Powershell

✓ Vim/Emacs
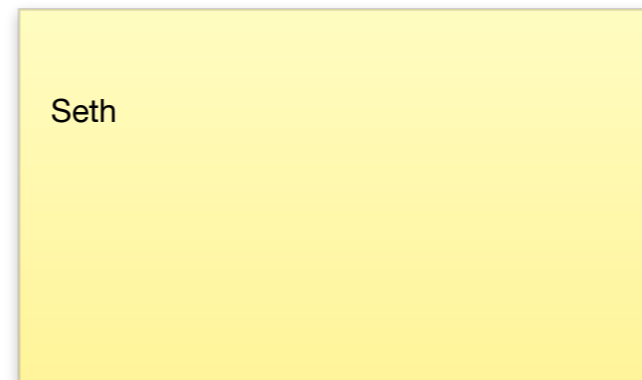
✓ Ruby

✓ CSS

✓ And a lot more…

Microsoft services

- Learned

  - Powershell

  - C#

  - Office 365 provisioning using powershell

- Memorable aspects

  - Included in meetings

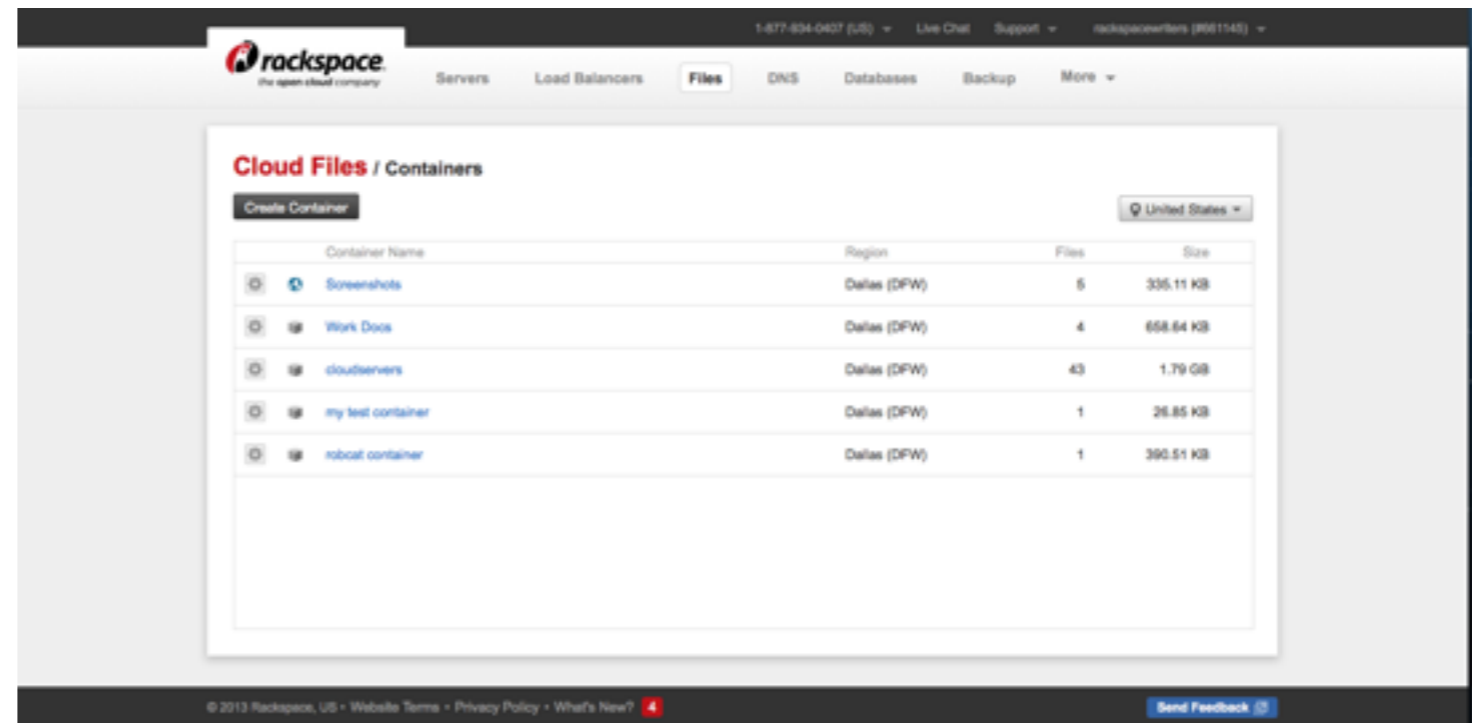 - Informed with initiation meeting

Seth

Reach

- Learned

  - Knockout.js

  - Javascript

  - Unit testing

  - CI/CD

- Memorable aspects

  - Received best view of average day

  - View of multiple people's work days

Spent one week with
Jigar

Control Panel

- Learned

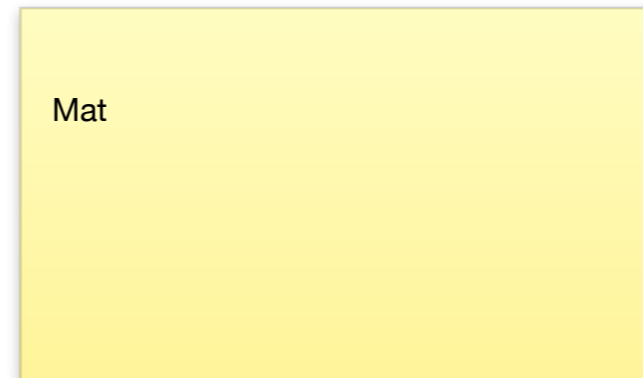 - CSS

  - Angular.js

  - jQuery

- Memorable aspects

  - Felt most integrated into team

  - Enjoyed lunch out back

  - Participated in stand ups

Daily scrum standup
Give context
Bob

Anti-abuse

- Learned

  - Chef

  - Ruby

  - Introduction to vim/emacs

  - Git via command line

- Memorable aspects

  - Interacted with whole team

  - Got chef to work

  - Saw release of major product

Mat

Projects Made With Rackspace

With screenshots if I lack the demo gods' favor

```
GET /api/user

["Kevin.Secrist","test","admin","puneeshj","seth.mcmahon","spencer.martin","Mike.Creque","yan","
jason.fox","Robert"]

GET /api/user/admin
```

```
{"type":"User","class":"Microsoft.Online.Administration.User","ExtensionData":"System.Runtime.Se
rialization.ExtensionDataObject","AlternateEmailAddresses":
["jason.fox@rackspace.com"],"AlternateMobilePhones":[],"AlternativeSecurityIds":
[],"BlockCredential":false,"City":"Blacksburg","CloudExchangeRecipientDisplayType":null,"Country
":null,"Department":null,"DirSyncProvisioningErrors":[],"DisplayName":"Racksburg, Inc.
2","Errors":null,"Fax":null,"FirstName":"Jason","ImmutableId":null,"IndirectLicenseErrors":
[],"IsBlackberryUser":false,"IsLicensed":false,"LastDirSyncTime":null,"LastName":"Fox","LastPass
wordChangeTimestamp":"2015-06-04T16:25:00.000Z","LicenseReconciliationNeeded":false,"Licenses":
[],"LiveId":"10037FFE905C2AE0","MSExchRecipientTypeDetails":null,"MobilePhone":"+1
7032204470","ObjectId":"3e1e03c0-d5ea-4a06-
a18b-514205df5e6a","Office":null,"OverallProvisioningStatus":"None","PasswordNeverExpires":null,
"PasswordResetNotRequiredDuringActivate":null,"PhoneNumber":"7032204470","PortalSettings":null,"
PostalCode":"24060","PreferredLanguage":"en-US","ProxyAddresses":[],"ServiceInformation":
[],"SignInName":"admin@asdasadsfaaaaaa.onmicrosoft.com","SoftDeletionTimestamp":null,"State":"VA
","StreetAddress":"123 Broadway","StrongAuthenticationMethods":
[],"StrongAuthenticationPhoneAppDetails":
[],"StrongAuthenticationProofupTime":null,"StrongAuthenticationRequirements":
[],"StrongAuthenticationUserDetails":null,"StrongPasswordRequired":null,"StsRefreshTokensValidFr
om":"2015-06-04T16:25:00.000Z","Title":null,"UsageLocation":null,"UserLandingPageIdentifierForO3
65Shell":null,"UserPrincipalName":"admin@asdasadsfaaaaaa.onmicrosoft.com","UserThemeIdentifierFo
rO365Shell":null,"UserType":"Member","ValidationStatus":"Healthy","WhenCreated":"2015-04-20T18:2
4:06.000Z"}
```

TL;DR - Lots of account information

```
<h1><b>Hello world!</b></h1>
<h2>Hello Rackspace!</h2>
```

Hello world!

Hello Rackspace!

```
    {
        *ptr++ = "zyxwvutsrqponml
                  9876543210123456
                  hijklmnopqrstuvw
                  value % base];
        value /= base;
    } while ( value );
    // Terminating the string.
    *ptr-- = '\0';
    // Invert the numbers.
    while ( low < ptr )
    {
        char tmp = *low;
        *low++ = *ptr;
        *ptr-- = tmp;
    }
    return rc;
}
```

vtsman

Hello!

hi

Hi there

Lorem ipsum

vtsman

Hello world!

asdf

vtsman

New File

Blank file

vtsman

XSS

```
</pre><h1>
not working
</h1><pre>
hello world
```

ess

set

```
ar * buffer, char * fmt, va_list args){
at = 0;
t = (int) buffer;
[64];

32_t i = 0; i < strlen(fmt); i++){
char c = fmt[i];
if(format == 1){
        memsetl(num, 64 / sizeof(long int), 0);
        switch(c){
                case '%':
                        *(buffer++) = '%';
                        break;
                case 'i':
                        itoa(va_arg(args, int), num, 10);
                        memcpy(num, buffer, strlen(num));
                        buffer += strlen(num);
                        break;
```
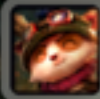
vtsman

allocPage

```
pageTblEntry allocPageAtAddress
(uint32_t addr, uint16_t flags){
        uint32_t index =
        pageAddrToIndex(pagePtrs[addr >> 12]);
        if(index < *freeIndex){
                crash("oh noes", index, addr);
```

Teemo
the Swift Scout

Level 18

|			
Armor	97.05	Magic Resist	42.06
Health	2609.76	Mana	947.2
Health Regen	16.79	Mana Regen	14.855
Attack Damage	126.981	Attack Speed	1.522
Crit Chance	0%	Crit Damage	200%
Range	500	Speed	418.688
CDR	5%	Ability Power	558.995
Life Steal	0%	Spell Vamp	0%
Armor Pen	8.586	Magic Pen	5.819

Load runes and masteries

xtsman   North America   Load

AP

Blinding Dart Level 4

Deals 215 (+447) magic damage and blinds the target for 2.25 seconds.

Move Quick Level 2

Passive: Teemo's Movement Speed is increased by 14% unless he has been damaged by an enemy champion or turret in the last 5 seconds. Active: Teemo sprints, gaining twice his normal bonus for 3 seconds. This bonus is not lost when struck.

Toxic Shot Level 4

Teemo's basic attacks poison their target, dealing 40 (+168) magical damage upon impact and 24 (+56) magical damage each second for 4 seconds.

| 1/1 | 0/4 | 4/4 | 0/1 | 0/2 | 0/2 | 2/2 | 0/2 | 1/1 | 3/3 | 0/3 | 0/1 |
| 1/1 | 0/3 | 3/3 | 0/1 | 0/1 | 0/3 | 0/1 | 1/3 | 0/1 | 0/1 |

Shoutouts to
Seth
Jigar
Bob
Mat

Questions?