

DennyZhang

Lost In Technopolis

Contact

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Programming

Python, ObjectC

Erlang, Shell, Go

C & C++, Lisp, R

Skills

♥ Emacs, Linux ♥

OpenStack, Puppet,

Jenkins, Zabbix,

Tcpdump, Systemtap,

Tsung

Fields

Data analysis

Cloud computing

Mobile develop

Methodology

TDD, GTD

Pomodoro

Zenhabit

Lean Startup

Summary

- 7 years, Full stack DevOps experience in IaaS and PaaS
- 50+ Commits to OpenStack Community
- 11,532 lines of personal Emacs configuration
- 13,258 code lines are accomplished in 2013 in my private time as a hobby
- Proficient in Python, ObjectC, C++, Erlang, Lisp; Good at Golang, Ruby, R

Experience

Freelancer at **Houston, Texas**

Feb 2014 - Now

Check my website for more: <http://www.dennyzhang.com>

Senior Community Engineer at **UnitedStack Inc. Santa Clara, California**

Augst 2013 - Feb 2014

Work remotely from Houston.

Build up autonomy engineer culture; OpenStack individual contributor

- [Community] Finish over 50 OpenStack commits: heat,tempest,devstack,etc
- [Puppet/Jenkins] Setup CI/CD system, similar like OpenStack-infra
- [Operate] Can debug OpenStack nova, neutron and heat problems

Architect at **ShopEx Network Technology Co., Ltd. Shanghai**

July 2011 - July 2013 (2 years)

Lead the shopex's datapatform team, focused on Big data and Data Analysis;

- [Python/Sphinx/MongoDB] Support SocialCRM project of shopex
- [MongoDB/Hadoop] Stream process for huge purchase orders to get RFM indexes.
- [Python] Provide solution for big data storage of structure/non-structured data.

Performance tuning and DevOps the PaaS system, naming ECAE

- [Design] Identify system's weak points like SPOF, inefficiency, etc.
- [Linux] Analysis performance issues, like slow response, etc
- [Linux] Handle any escalated issues

Build up PaaS Application Engine for E-commerce industry, ECAE

- [Storage] Implemented a distributed picture storage, like hybridizing S3 with haystack
- [Computing] Implemented a reliable, distributed, async task engine, for multi-tenants
- [TCP/UDP] Co-designed for log server, similar like Splunk

Senior developer at **ShopEx Network Technology Co., Ltd. Shanghai**

May 2011 - July 2011 (3 months)

Quality engineering for PaaS system, ECAE

- [CI] Automated all CI stages by Hudson/Rpmbuild/Puppet/Tsung/etc
- [Tsung] Provided a Tsung plug-in for thrift protocol, to perform load test for thrift servers
- [Hudson] Simulate monkey chaos tests, like service crash, random reboot, etc
- [Monitoring] Enabled puppet to automatically maintain Zabbix monitor items
- [Reporting] Enable services to easily report issues by logging to syslog-ng
- [Dogfood] Dogfooded ECAE for blog, wiki, svn, etc.

Software engineer at **EMC Corporation, Shanghai**

July 2008 - April 2011 (2 years 10 months)

Atmos is an EMC's killer product, a commercial distributed filesystem with versatile features.

Support rolling upgrade feature of Atmos

- [Python/C++] On-line rolling upgrade, parallel installation, and service migration
- [Linux] Involved in all open issues' trouble shooting before product release
- [Linux] Performance test for filesystem CRUD by POSIX VFS API and REST HTTP API

Prototype for enable individual users to easily access Atmos in versatile ways

- [C++] Prototype for the feature of DragAndDropTo /PrintingTo/EmailTo Atmos

Sharing

Technical sharing at Work

Aug 2008 - Present

- Delivered a public speech: How To Test PaaS Platform .
<http://www.dennyzhang.com/?p=8410>
- Blog is dumped from my knowledgebase.
<http://www.dennyzhang.com/?tag=recommendate>
- Hold team's share session since 2009.

Devkit sharing for daily work at Github

Jan 2008 - Present (60 months)

- Emacs configuration with over 11,000 lines.
<https://github.com/DennyZhang/Denny-s-emacs-configuration>
- Leverage puppet to maintain my operating system.
<https://github.com/DennyZhang/puppetexample>
- Tsung plug-in for thrift protocol.
<https://github.com/DennyZhang/tsungthrift>
- Erlang hot swap.
<https://github.com/DennyZhang/erlrecompile>

Personal open source projects at Github

Oct 2012 - Present (10 months)

- Xiaozibao: Build your own magazine.
<https://github.com/DennyZhang/xiaozibao>
- WechatWoojuu: Personal finance app in WeChat.
<https://github.com/DennyZhang/WechatWoojuu>
- Emacs configuration: Lots of automation skills invovled.
<https://github.com/DennyZhang/Denny-s-emacs-configuration>

Education

2006 - 2008 **Masters** of Computer Science

Sun Yat-Sen University

2002 - 2006 **Bachelor** of Computer Science

Sun Yat-Sen University