

# JU LIN

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GitHub: soasme ◇ Blog: www.soasme.com

## SUMMARY

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**Ju Lin** has a wide knowledge of web application, DevOps and system administration. He is an expert in Python Programming, Operating System, and Unix Networking. He likes provisioning cloud resources by Infrastructure as code. He is a passionate learner with endless curiosity and enjoys jumping out of the comfort zone.

## EXPERIENCE

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### Workday

*Senior DevOps Engineer*

Mar 2017 -

*Auckland, New Zealand*

- Developed and maintained a statuspage-like API and command line tools. It has provided health data for several customer-facing services over 10+ data centers for a statuspage product stably. Outage is rare.
- Developed continuous delivery pipelines via Jenkins, Terraform and Chef.
- Built a virtual private cloud with 3 public subnets and 3 private subnets in different availability zones. A cluster of EKS worker nodes were running in it.
- Worked with internal operation centers to perform level-1 triage and reduce MTTR and MTTR.

### Lipinshuo, Inc

*Tech Lead, Software Engineer*

May 2015 - September 2016

*Beijing, China*

- Project leadership and management. Capable of leading high performing teams under tough deadlines, to meet expectations of multiple customers externally or internally.
- System administration. Maintained configurations for Nginx, supervisord, gunicorn, etc.
- System architecture. Developed gateway and message queue applications to improve both the scale and the performance of the entire system.
- Continuous Delivery. Wrote packaging tool *Beeper* and deploying tool *Fapistrano*.
- Migrated image format from JPEG to WEBP. Reduced CDN bandwidth by 75%.
- Developed a fully functional e-shop web application that drove 1k+ orders everyday.
- Developed a spider application to scrap production information in other websites.

### Douban Read

*Product Development Engineer*

April 2013 - March 2015

*Beijing, China*

- Designed and implemented a new version of robust, testable, document-autogen APIs. Reduced network calls by 30%.
- Extracted ORM manipulations with built-in cache mechanism. Reduced model codes by 50%.
- Wrote hundreds of py.test fixtures and thousands of test cases. Improved code coverage by 20%.
- Maintained tens of CI jobs within Jenkins.

### Douban Book

*Product Development Engineer*

June 2012 - April 2013

*Beijing, China*

- Participated on the rebuilding & refactoring process of *Douban Book*, which was visited by millions of users everyday. Decoupled this system from a monolithic one, to archive independent deployment.
- Replaced PTL template engine with Mako. Reduced codes by tens of thousands of lines.
- Implemented a system synchronizing product price and inventory from almost all e-bookshops in China, such as AmazonCN, Jingdong, Dangdang, etc. There were nearly 16 million+ subjects updating everyday.

*Please refer to my LinkedIn profile for the complete list of work experience and references.*  
*<http://www.linkedin.com/in/linju>*

## EDUCATION

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**Jimei University**

Bachelor Degree in Software Engineering

*September 2008 - June 2012*

## TECHNICAL STRENGTHS

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<b>Computer Languages</b>	Python, JavaScript, Java, C
<b>Protocols</b>	TCP/IP, UDP, HTTP, HTTPS, WSGI
<b>APIs</b>	REST, SOAP, JSON, XML
<b>Databases</b>	MySQL, Postgres, InfluxDB, SQLite, Redis, MongoDB, BeansDB
<b>Infrastructure as Code</b>	Terraform, Ansible, Chef, Kubernetes
<b>Python Web Frameworks</b>	Flask, Django, Tornado, Quixote, Celery
<b>Python ORMs</b>	DjangoORM, SQLAlchemy
<b>Python Web Runtimes</b>	Supervisord, Gunicorn, uWSGI, Nginx
<b>Javascript Frameworks</b>	Angular, React & Redux
<b>VCS</b>	Git, SVN
<b>CI</b>	Jenkins, TravisCI
<b>Deployment Tools</b>	Ansible, Puppet, Fapistrano
<b>Editors</b>	Emacs, Vim, SublimeText, Atom