# Resume

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## INTERESTS

Read Linux related paper (kernel, virtualization and storage)
Chinese Calligraphy

## WORK EXPERIENCE

**Linux Kernel Developer** (EasyStack, 2015.09~present)

- ▸ Maintain the internal kernel tree

**Linux Kernel Developer** (Fujitsu, 2011.07~2015.09)

*0day/LKP+(0day Linux Kernel Performance, Lead by Fengguang Wu)*

- ▸ Main developer and the sub-maintainer
- ▸ Fix daily bugs and develop new features(like multi-node framework)
- ▸ Find and add the useful benchmarks to our framework

*Linux Virtualization*

- ▸ Implement the virtqueue affinity for virtio-net and virtio-scsi, which improve the performance of them, especially after doing cpu hotplug
- ▸ Help implement the virtio-scsi multi-queue feature, which can improve the performance of virtio-scsi about 30%
- ▸ Help review some virtio related patches
- ▸ Implement the NUMA binding of QEMU to improve the performance of cross node qemu-kvm guest
- ▸ Add many new APIs, features and fix many bugs of libguestfs
- ▸ Fix bugs of virt-clone tool
- ▸ Co-author of the virt-sysprep tool

*LTP(Linux Test Project)*

- ▸ Co-maintainer of LTP, review and commit a part of patches in community
- ▸ Report and fix bugs found by LTP on RedHat Enterprise Linux
- ▸ Report and fix upstream Linux Kernel bugs which found by LTP
- ▸ Fix the bugs of LTP to improve the quality of test cases
- ▸ Add new test cases to improve the coverage of LTP

**Linux Driver Developer** (Hisense, 2010.07~2011.06)

*Linux Power managemant and input subsystem driver*

- ▸ Develop and maintain android smartphone power charger driver
- ▸ Develop and maintain android smartphone keypad and touchpad driver
- ▸ Reviewed many upstream input subsystem patches
- ▸ Wrote the device driver-model kerneldoc for upstream kernel

## OPEN SOURCE CONTRIBUTION

*Linux Kernel contribution:*

`http://git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/log/?qt=grep&q=Wanlong`

*Libguestfs contribution:*

`https://github.com/libguestfs/libguestfs/commits/master?author=gaowanlong`

*LKP+(Linux Kernel Performance) contribution:* (only partly opensourced)

`https://git.kernel.org/cgit/linux/kernel/git/wfg/lkp-tests.git/log/?qt=grep&q=Wanlong`

*LTP(Linux Test Project) contribution:*

`https://github.com/linux-test-project/ltp/commits/master?author=gaowanlong`

*QEMU contribution:*

NUMA binding patches: `https://lists.gnu.org/archive/html/qemu-devel/2013-12/msg00568.html`

`http://git.qemu.org/?p=qemu.git&a=search&h=HEAD&st=commit&s=Wanlong`

*virt-clone contribution:*

`https://git.fedorahosted.org/cgit/python-virtinst.git/log/?qt=grep&q=Wanlong`

## EDUCATION

**Northeastern University** (2006~2010, Bachelor)

## SKILLS

Many years of Linux administrator and development experience (since 2008)

Good knowledge and experience of Linux Kernel and Virtualization

Good knowledge and experience of writing code in C, shell, ruby

Can write code in any languages after one day learning :)