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| **Chen Tian (Tyr)** | +8613611366959  [tyr.chen@gmail.com](mailto:tyr.chen@gmail.com)  <http://tchen.me/pages/aboutme.html> |
| |  | | --- | | **Summary** |  * 9 years of networking/security/embedded system experience * 2 years startup experience (cofounder and CTO)   **Work Experience** | |

Juniper Networks

**Tech Lead and Staff Engineer (To be promoted to Senior Staff this April)**

I worked on the branch platform team in China R&D (CNRD) as a technical lead, reporting to a senior director in US. My major responsibilities:

* Acting as a technical liaison among CNRD teams
* Acting as a technical liaison between CNRD and Sunnyvale teams.
* Design and implement package management and forwarding module on next gen firewall.
* Maintain current gen firewall – dealing with hot customer escalations
* Improving development efficiency and product debugability

Major achievements:

* Feature development: watchpoint support, branch platform support for octeon crypto engine, etc.
* Fixed over **40** customer escalations and QA issues.
* Built an internal code exam service for hiring engineers – backing over one hundred interviews since April 2014.
* Built several internal tools for the team efficiency.
* Introduced **systemtap** to the team for online user space tracing
* Introduced **golang** to the team for dev efficiency on control plane programming.

tukeq.com

**Cofounder & CTO - 2011 ~ 2013**

I founded tukeq.com in March 2011 to pursue the opportunity of online travelling business with other 2 cofounders. We chose a niche point – online travel planning services for independent travellers - to enter the rapid growth Chinese oversea travel market. We believe that by influencing the decision making phase earlier in the planning period we could find out place among the big OTA giants like ctrip.com. Here are my major responsibilities:

* Build and lead the engineering team
* Lead the tukeq.com product design and implementation
* Attract early adopters and get their feedbacks on product
* Raise funding (as a cofounder)

Major achievements:

* Built first version of tukeq.com from scratch using Python/Django
* Built the engineering/product process and adopted scrum practice
* Built the engineering team and expanded the product line from web applications to iOS applications
* Raised seed funding from Innovation Works (China version of YConbinator) and angel funding from Innovation Works and GSR Ventures

Juniper Networks

**Engineering Manager, 2009-2011**

I led kernel and NAT team in Juniper CNRD.

Here are my major responsibilities:

* Confer with PLM and CNRD US teams to discuss project specifications and solutions.
* Coordinate and direct RLIs (release line items) owned by NAT and Kernel team, making detailed plans to accomplish goals and eliminate obstacles from technical activities.
* Recruit team members; assign, mentor, and evaluate their work; and help with their career growth.

As a team, our major achievements are:

* Successfully delivered various RLIs for both ScreenOS and JUNOS.
* Extended the team’s influence outside CNRD.

**Senior Software Engineer in kernel team, 2007-2009**

As a kernel engineer, I mastered the overall system architect of ScreenOS. I gained knowledge in CPU arch, operating system, and protocols like routing and multicasting.

Here are some major achievements:

* Delivered several ScreenOS and JUNOS RLIs.
* Filed 6 invention disclosures related with kernel, flow and performance; 4 of them were approved by Patent Review Committee inside Juniper; 3 of them went through US patent application publication phase; 1 was published as US patent.
* Led SLT Engineering Development Program, making CNRD as a big player for innovation within SLT (from 0 invention disclosures before 2008 to tens of invention disclosures after).

**Software Engineer in flow team, 2005-2007**

As a flow engineer, I mastered the essentials of data plane processing.

Here are my major achievements:

* Wrote a one-in-all document for ScreenOS basic/asic flow architect and implementation, which greatly reduced the learning curve for both new hires and other teammates in SLT (praised by VP of core security in all-hands meeting).
* Developed 7 RLIs for ScreenOS 6.0R2/6.2. The performance tuning RLI contributed a 30-50% performance gain for sustaining rate for standalone deployment and over 200% gain over HA deployment.
* Developed a memory analyze tool to help Dev/CE team for customer escalations. It is a great time saving tool to make engineer focus on solutions rather than interpreting zeros and ones.

Digital China Networks

**Software Engineer – 2003-2005**

In Digital China Networks my major responsibility was to develop various features for router/switch.

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| **Education** |
| M.S. of IT Project Management, BUAA, 2005-2007 (part time)  B.S. of Computer Science, Northeastern University, 1999-2003  **Achievements** |

Patents and patent publications:

* Ager Ring Optimization (patent No. US 8,140,656 B2)
* Creating Hot Patches for Embedded Systems (patent No. US 8,468,516 B1)
* Server Protection from DDOS Attacks (patent No. US 8,650,631 B2)
* Session Cache Based HTTP Acceleration (Pub. No. US20100235522A1)

Open source software (<https://github.com/tyrchen/>), including but not limited to:

* Teamspark: real time team collaboration tool (coffeescript and meteor)
* Vint & Cerf: Client and server tools for online code exam (python/django, nodejs)
* coderunnerd: a service to execute code directly from online slides (golang)

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| **Skills** |

* System software: C, golang, embedded system programming, server programming
* Network protocols: TCP/IP stack, HTTP
* CPU architecture: ARM, MIPS, PowerPC
* Web applications: python/javascript, django/nodejs/meteorjs
* Web application stacks: nginx/mysql(mongodb)/redis/rabbitMQ/celery/etc.
* Management: mentoring, negotiating, empowering, inspiring, etc.
* Languages: Mandarin, Cantonese, English