

# Mengjie Lei

Software Engineer at Google

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## Summary

Not only using the right technologies but to use them in a right way

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## Experience

### Software Engineer at Google

February 2017 - Present

Search infrastructure-Best indexing and serving offering

### Software Engineer at Oracle

April 2014 - January 2017 (2 years 10 months)

- Designed Oracle Billing and Revenue Management Cloud Service Reference Implementation (BRMC RI) Chef automated installation framework, which includes the configuration to install, integrate and test a BRM Cloud service. Using the open-source Chef configuration management tool, BRMC RI builds development and production environments through unattended install processes that automatically integrate each product into the overall BRM Cloud service. Once the BRMC stack has been built, BRMC RI uses open-source Cucumber to run automated acceptance tests end-to-end through the full stack. These acceptance tests are written in a behavior-driven development (BDD) style to ensure that they are testing valid business use case scenarios. BRMC RI has made measurable improvements to the automation of BRM Cloud service installation and configuration processes, including, for example, an automated system that rotates passwords every three months.
- Implemented BRM Cloud Stack using Docker containers to accelerate development lifecycle, facilitate distribution and collaboration within the development team, enable version control and components reuse, minimize the deployment footprint and overhead, and assist the team as they move through multiple phases of development (Dev, Test, QA, and Production), which enabled a more agile development environment.
- Designed the packaging/release process, continuous integration and testing solution for BRM Cloud service using TeamCity and SVN version control. After the tests have been run, the results—including the stack traces of failed tests—are reported back to TeamCity where they can be viewed and reviewed.

### System Administrator

May 2013 - January 2014 (9 months)

- Maintain the infrastructure of remote servers, including administrating Linux system, troubleshooting connectivity issues, and deploying PHP scripts.
- Manage Virtual Machine, assign IP addresses and update DNS.

- Set up email accounts and auto-forwarders, maintain and update MySQL database of business records.
- Investigate spam filters and SMTP error codes to increase email open rate on mail server.
- Develop and implement Perl shell script that can search for common phrases indicating email hard bounces.
- Run a regular expression search for each phrase indicating a hard bounce using Cron.
- Modify PHPList, create shell script and database queries to save emails in active use.

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## Education

### **Columbia University in the City of New York**

Master of Science (M.S.), Electrical and Computer Engineering, 2012 - 2013

**Activities and Societies:** 2013 Career/Alumni committee Chair, Engineering Graduate Student Council (EGSC), Columbia University. Student representative for Class of 2012

### **Queen Mary, U. of London**

Bachelor of Science (B.S.), Telecommunications Engineering with management, 2011 - 2012

**Activities and Societies:** Meritorious Winner of 2011 Mathematical Contest in Modeling

### **Beijing University of Post and Telecommunications**

Bachelor of Science (B.S.), Telecommunications Engineering with management, 2008 - 2011

**Activities and Societies:** Overseas Studies Program: one year at Queen Mary, University of London, focus on technical related final project.

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## Honors and Awards

Outstanding Student leader, First Class Academic Scholarship, Meritorious Winner of Mathematical Contest in Modeling, First Glass Graduate Student

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[Contact Mengjie on LinkedIn](#)