SHANG, Liang
Software Engineer
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Education Background

From: September 2013   To: September 2014
University: Imperial College London.
Major: Software Engineering   Degree: Master of Science
Main Courses: Distributed Systems, Distributed/Parallel Algorithms, Advanced Object Oriented Program, Advanced Database, Software Reliability and Robotics.

From: September 2008   To: June 2012
University: Dalian University of Technology.
Major: Network Engineering   Degree: Bachelor of Engineering
Main Courses: Operating System, Networking, Data Structure and Algorithm, Database, Network Security (Cryptography) and UML.

Working Experience

From March 2015 to now,
Working Experience in Fangdd as a Java developer

Project Experience
- March 2015 - now
  Backend for Fangdd APP and Website,
  Responsibility: Firstly designed and implemented part of the server (the new house part), and then "migrated" legacy PHP code into Java. Then participated in developing the search engine for houses using elasticsearch. Now implementing the RESTful API.
  Project Description: This project is developing a Java server that supports Fangdd APP and Website so that potential house-buyers could search houses, communicate with agents/house-owners and manage their purchasing processes. The protocols include HTTP+thrift, thrift RPC and RESTful API. This project also requires strong communication skills because I need to make clear the requirements from product owner, consult with APP-end developers to define appropriate apis and seek support from other internal service providers.

From September 2013 to September 2014,
Study Experience in Imperial College London as an Msc. student

Project Experience
- May 2014 - September 2014
  Elastic Cloud Acceleration,
  Responsibility: Design and implement an elastic platform that brings elasticity to batch applications and online applications.
  Project Description: An individual project to achieve elasticity for programs running in the Linux container located on the machine with hardware accelerator by monitoring the

container and changing the resources allocated to the container dynamically. The accelerator is DFE from Maxeler and Docker is used to manage LXC.

- January 2014 - May 2014
  Flyway – Tool for Resource Migration between Clouds,
  Responsibility: Learned knowledge of OpenStack, took charge of migrating users and roles, tested and fixed bugs of other migrations.
  Project Description: As part of Facebook Open Academy, this project is to create a tool for forklifting resources from one OpenStack instance to another. The language is python. Nova/Keystone/Cinder-client, Taskflow and paramiko are used. This project proves that I have a strong willing and ability to learn a new language (Python).

From August 2012 to August 2013,
Working Experience in SipingSoft (Chengdu) as a Java developer

Project Experience
- March 2013 - August 2013
  Product Life-cycle Management System,
  Responsibility: Participated in designing the function of the system and designing the database, designed and implemented modules such as BOM management, change procedure and document management.
  Project Description: A B/S system used in R&D department, helping employees to manage their material, BOM, change number and document in their daily R&D works. It is implemented by Java, Spring and iBatis. DB is Oracle, while front-end uses JavaScript, jQuery and HTML5.

- December 2012- February 2013
  Customer Management System(Sales),
  Responsibility: Participated in requirement collection with customers, designing the database and implementing modules, such as product management, customer management, sales statistics and order management. Used jQuery Mobile to fit the mobile device browser.
  Project Description: A project helping FMCG sales manage their customers, orders and performance. it is built by Java, using Spring and iBatis. DB is Oracle, and front-end skills are JS, jQuery and HTML5. **Especially**, this system can be showed and operated in browsers of mobile devices such as iPhone and iPad.

From July 2011 to November 2011,
Intern Experience in Citicorp Software and Technology Services (Shanghai) Limited as a Java developer

Project Experience
- July 2011 - November 2011
  BAU of EMEA Consumer Online Banking,
  Responsibility: First trained JavaEE, soft skills and Citibank procedure. Then made improvement of Online Banking System such as adding new web pages.
  Project Description: An online banking system used for customers in EMEA, implemented by Java and based on Citi's own structure.