

## **Xiaozhong Pan**

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## **Education**

Virginia Tech, Master of Science, Computer Science, 2013 Aug - 2015 May

Sun Yat-Sen University, China, Bachelor of Engineering, Communication Engineering, 2004 Sep - 2008 June

## **Technical Skills**

Java, Javascript, C, Go, Node.js, Python, Bash, Linux, Agile Programming, Unit Test

## **Experience**

### **SDE at Microsoft, July 2018 - Present**

Chat message backend systems for Microsoft messaging applications (Skype, Microsoft Teams, etc).

### **SDE at Amazon AWS, July 2015 - July 2018**

AWS IoT message broker. Design and implement IoT messages routing systems.

AWS IoT management console. As the tech leader of the team, I was responsible for the overall architecture, implementing core components, project management, coaching the team, etc.

### **Research Assistant at Virginia Tech, January 2014 - May 2015**

CloudBrowser, a scalable web application framework that preserves UI State in the server side.

### **Engineer at Tencent, November 2012 - July 2013 (9 months)**

Tencent is one of the most successful internet company in China.

Worked on WKD project which provides innovative customer service and advertising solutions using WeChat messages (WeChat is a popular mobile app in China).

As a full stack developer, I built web interface as well as backend services that allows customers to send messages to millions of people.

### **System Engineer at Huawei, July 2010 - June 2012 (2 years)**

Worked on SOD project which serves as the backbone of Huawei's Universal Distributed Storage(UDS cloud storage solution). SOD is a distributed key value store that could scale to petabytes level with high performance and low maintenance cost.

Overall architect and technical design; Developed message connection modules, failure detection module, cluster manager module, storage node module, client library, benchmarking tools, etc.

### **Engineer at OOCL, June 2008 - June 2010 (2 years)**

Worked on CargoSmart.com which provides shipping and logistic solutions for companies to automate and improve their shipment management process ( <http://www.cargosmart.com> ). I developed data integration system and various front end features.

## **Patents**

### **Method, device, and system for deleting data in distributed storage system**

United States Patent WO2013082787 A1 Issued December 8, 2011 Inventors: Xiaozhong Pan, Daohui Wang

### **Capacity expansion method and device and data access method and device**

United States Patent WO2013106993 A1 Issued January 17, 2012 Inventors: Xiaozhong Pan, Yu Yin

## **Publications**

### **Rich Cloud-Based Web Applications with CloudBrowser 2.0**

Proceedings of the 31st Annual ACM Symposium on Applied Computing (best paper award in Distributed Systems).  
April 2016. Xiaozhong Pan, Godmar Back