

## **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, C#, Go, Node.js, Python, Bash, Linux, Unit Test

## **Experience**

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

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

Worked on read receipts, data migration, data retention, data encryption, etc.

### **SDE at Amazon AWS, July 2015 - July 2018 (3 years)**

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, etc.

### **Research Assistant at Virginia Tech, January 2014 - May 2015 (2 years)**

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 the most popular messaging app in China).

As a full stack developer, I built web interfaces as well as backend services. Messaging scheduling service, message management portal, etc.

### **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.

Research, prototyping and 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 other 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