

Xiaozhong Pan

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Education

Virginia Tech, Master of Science (M.S.), Computer Science, 2013 Aug - 2015 May

Sun Yat-Sen University, China, Bachelor of Engineering (B.E.), Communications Engineering, 2004-2008

Technical Skills

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

Experience

SDE at Amazon AWS, July 2014 - present

Design and develop software products for AWS IOT solutions.

Research Assistant at Virginia Tech, January 2014 - May 2015

Developing CloudBrowser, a server centric web application framework that could preserve UI state.

SDE Intern at Amazon, May 2014 - August 2014

Built Routing visualization tool for site managers and developers to search and view shipment routes on a map.

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

Tencent is one of the most successful internet company in China. In Tencent, I work as a software developer in the E-Commerce division.

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). This project is designing a storage system that could scale to petabytes level with high performance and low maintenance cost.

Overall architect and technical design; Wrote 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>).

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