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

Builded 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). The portal for this project is wkd.qq.com.
Built messaging service which could send messages to millions of people; Built message management service; Wrote or enhanced common components like performance report module, Memcached client, RPC client, various web UI components, 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). 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, performance report agent, various testing tools, etc. Performance troubleshooting.

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).
Built message integration service, administrator modules, sailing schedule service and wrote various testing tools.

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