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 Amazon AWS, November 2017 - present

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

SDE at Amazon AWS, July 2015 - November 2017

Full stack developer for 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