

Robert Pan

Linkedin Profile: www.linkedin.com/in/pan1987

Education

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

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

Technical Skills

Distributed systems, C, C++, Java, C#, Javascript, Go, Node.js, Python, Linux, Unit Test

Experience

Senior SDE at Meta, April 2022 - present

MySQL server.

Senior SDE at Apple, May 2021 - April 2022 (11 months)

Apple commerce services.

Senior SDE at Microsoft, July 2018 - May 2021 (3 years)

Chat message backend services for Microsoft messaging applications (Skype, Microsoft Teams, etc).
Messaging API gateway service, read receipts, data migration, data retention, data encryption, etc.

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

AWS IoT message broker. AWS IoT messages routing systems.
AWS IoT management console.

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)

WKD, a platform for enterprises to create customer service and advertising solutions using WeChat messages.

I built message scheduling service, message management portal, etc.

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

SOD, a high performance and low cost distributed key value store that scales to petabytes. It is the backbone of Huawei's Universal Distributed Storage (UDS cloud storage solution).

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. I worked on 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

Merged message storage data structure

United States Patent US20200296065A1 Issued December 08, 2020 Inventors: Surendra Singh, Harsh, Xiaozhong Pan, Joshua Lan, Narasimhan GOVINDARAJAN, Jayanth Munikote, RAJEEVALOCHANAM, Prashanth Venkataraman

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