Sigma Chen

Software Engineer at Microsoft

Summary

I have many years of experiences in software development with Java, JSP, C#, ASP.Net, C, Objective-C and SQL, several years of experiences in middleware and enterprise systems development, and I am also a very good team player.

Experience

Software Engineer at Microsoft

May 2016 - Present

    Azure Big Data Group

    Azure Time Series Insights, a real-time(streaming) IoT and big data analysis platform

    Designed billing system architecture from scratch

    Administration and DevOps tools remodel

    Query engine/translator optimization

    Security management, and implemented automatic key rotation mechanism from scratch

    Implemented leader election mechanism in load-balancing environments

    Developed resource management features of Azure big data platform

Software Engineer at Qualcomm

May 2011 - December 2012 (1 year 8 months)

    # Planned and initiated the IT systems of a MEMS fabrication plant (Qualcomm invested $2 billions on it)

    # Designed the protocols and specifications of automatic production processes

    # Developed project "Eagle Eyes" from scratch, which can predict potential fails and notify stakeholders

    # Developed central control servers with message queuing services for 500+ clients

    # Implemented reporting systems of production yield and quality analysis

    # Developed manufacturing execution systems

Software Engineer at BenQ Corporation

July 2006 - August 2007 (1 year 2 months)

    # Proposed and developed a product requirement management system which shortens the time to market of product

    # Established remote control system for controlling servers located in different places with notification function

    # Built several tools to automate software configuration and version control processes

    # Designed automatic reporting systems for product lifecycle management

Software Engineer Intern at Microsoft

2006 - 2006 (1 year)

Implemented automatic GUI testing tools for Microsoft Office 2007, and designed over 50 test cases

Education

University of California, Irvine

Master's Degree, Computer Science, 2014 - 2016

National Taiwan University

Master's Degree, Computer Science, 2008 - 2010

National Chengchi University

Bachelor's Degree, Management Information Systems, 2002 - 2006

Activities and Societies: Management Information Systems Department Association Philanthropy Club

Honors and Awards

Second Place Award of IBM SOA development contest 2006, Honorary Member of The Phi Tau Phi Scholastic Honor Society, Tai-Shan Academic Scholarship, Merit Award of National Problem Solving Contest on Internet, Honorable Mention of Research Contest

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Contact Sigma on LinkedIn