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Summary

- ✓ 3.5+ years of experience on Software Development Engineer in developing and testing
- ✓ 1+ years of full-time experience on Team Lead
- ✓ 2nd year of RDSS (from 2014/11)

Education

M.S., Computer Science and Information Engineering, NTU, Taipei, Taiwan

2009/09 - 2013/08

- ✓ Web mining and Information Retrieval Lab. Advisor: Dr. Pu-Jen Cheng.
- ✓ Major GPA: 4.0/4.0 (87.2)

B.S., Computer Science and Information Engineering, NTU, Taipei, Taiwan

2005/09 - 2009/08

- ✓ Major GPA: 3.8/4.0 (91.4)
- ✓ 7 of 120 students in terms of final GPA for 2006 spring semester.
- ✓ 8 of 120 students in terms of final GPA for 2007 spring semester.

Key Skills

Proficient in

- ✓ ASP.NET/Coded UI, C, C#, Perl, PHP, RDBMS
- ✓ Data Mining, Information Retrieval

Familiar with

- ✓ C++, Hadoop, HTML/CSS/JavaScript, Java, Lemur, R
- ✓ Cloud Computing, Machine Learning, Test Automation

Work Experience

Skysource Consulting Pty. Ltd., Taiwan

full-time, 2012/05 - present (2.5+ yrs)

Front-End Developer/Tester

- ✓ Wrote user requirements, UI Spec and added new features to UI modules in online system.
- ✓ Reduced 1/2 to 2/3 testing human resources cost by developing Microsoft coded UI framework to automate UI testing.
- ✓ Planned, designed and implemented UI modules using ASP.NET, JQuery, CSS.

Systems Integration Tester and Team Lead

- ✓ Designed and implemented system integration level test cases according to user requirements.
- ✓ Achieved 150% to 200% performance improvements by automating manual test work.

Back-End Developer/Tester and Team Lead

- ✓ Developed and tested ETL modules on Microsoft business intelligence platform (SSIS, SSAS, SSRS).
- ✓ Integrated with C# Unit Test Framework to be automated.
- ✓ Tripled the performance by developing automation database building process using Powershell.

Epidemic Monitoring Project in Centers for Disease Control, Taiwan

part-time, 2008/09 - 2009/12 (1+ yr)

Data Mining and Web Developer

- ✓ Applied data mining algorithm to news articles to predict disease geographical area.
- ✓ Constructed disease ontology to classify major epidemic.

Computer and Information Networking Center in NTU, Taiwan

part-time, 2008/07 - 2009/08 (1+ yr)

High Performance Computing Group Developer

- ✓ Implemented malicious email detection algorithms on real mail data using Perl.
- ✓ Designed and developed Hadoop programs to analyze spam data distributively.

Projects

Skysource: EverRich Bonus System (2013).

- ✓ A system to provide staff bonus rules calculation and auditing services. Automate lots of manual excel works.
- ✓ ASP.NET, C#, MSSQL, SSIS, Test Automation.

Thesis: A General Framework for Enhancing Prediction Performance on Time Series Data (2012).

- ✓ A research on traffic flow prediction in Australia and performance improvement algorithms.
- ✓ Machine Learning, R.

Startup: Newssip (2011).

- ✓ A small startup to build a realtime news discussion website. Provide news main article extracting feature and reddit style forum.
- ✓ MySQL, PHP, Yii MVC framework.

CDC: Epidemic Detection System (2009).

- ✓ A system to process disease classification and detect outbreak location. Plotting locations on Google Maps for online surveillance.
- ✓ Data Mining, Machine Learning, Node, Perl.

Startup: 2ndbooks (2008).

- ✓ A small startup to build a second book selling platform. Provide search by image feature on books.
- ✓ Information Retrieval (text, image), PHP.

Awards

- ✓ Yahoo Open Hack Day! 2009 Special Award
- ✓ Yahoo Open Hack Day! 2008 Mobile Communication Award
- ✓ The Excellent Teaching Assistant Award, NTU Web Mining Course, Taipei, Taiwan