Summary

Experienced in full stack web development, especially cross-platform/browser mobile applications. Responsible for training, giving technical speeches and supervising team developing paradigms.

Hopes to focus more on backend data modeling and processing in future career.

Work Experience

Senior Program Analyst

Galaxy Software Services Corporation, Taipei, Taiwan– Sep. 2012 - Present

- Executing deployment within various environments. (e.g., windows server or linux, combines with PostgreSQL, mssql or mysql)
- Evaluating and integrating new techniques for team. Foreseeing potential obstructions in the early phase of development.
- Improving the workflow of development using productivity tools. (e.g., reduce 20% compile time by adjusting ant script)
- Promoting code quality by adapting static code analysis tools in different phrases. (e.g., reduce 20% technical debt in 2 months)

Projects

Enterprise Search Project, **Project Leader** – Nov. 2014 - Present

- Adapting multiple content repositories into one search engine using **ManifoldCF** and **Solr**.
- Filtering search results by user's permission.

weMoin, **Project Leader** – March 2013 - Nov. 2014

- Hybrid mobile application built by **Phonegap**, **require.js**, **dust.js** and **native javascript**. Runs on Android and iOS.
- Dealing with concurrent requests and sync states to multiple client-side using **Atmosphere Framework**.

teamKube, **Project Participant** – Sep. 2012 - March 2013

- Multi-tier system built by Spring Framework. Communicating with web services and message system between tiers.
- Able to be deployed as distributed environment.
- Server-side component-based rendering using Apache Wicket.

Education

National Chengchi University, Department of Computer Science, Taipei
Master of Science, Sep. 2011.
Major: **Programing Languages and Software Methodology**

National Chengchi University, Department of Mathematical Sciences, Taipei
Bachelor of Science, Sep. 2009.
Major: **Mathematics.**

Publications

Huang Wen-Kai, **A Protocol Description Language for Secure Multi-Party Computation**, National Chengchi University Libraries, 2011

- Designing an external domain-specific language, PDL(Protocol Description Language), aimed for secure multi-party computation.
- Implementing a compiler to compile PDL into Ruby using Ruby
- Verifying PDL's correctness and security by modeling security as an Lattice-Structure using static analysis techniques.

Languages

HTML, JavaScript, sass, Java, Groovy, Ruby, LISP
Proficient in English, Mandarin and Taiwanese