Punyawee Pakdiying

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EDUCATION

University of Southern California, Los Angeles, CA *May 2016*
Master of Science, Computer Science *GPA: 3.95*
Curriculum: Distributed System, Web Technology, Artificial Intelligence,
Algorithm, Software Engineering, Software Management and Economics

King Mongkut's Institute of Technology, Ladkrabang, Thailand *March 2010*
Bachelor of Engineering, Computer Engineering *GPA: 3.54*
Thesis Topic: OLAP Operations in SQL and MDX (MultiDimensional Expressions)

COMPUTER PROFICIENCY

Languages: Java, JavaScript, HTML/CSS, SQL, PHP, Go, Objective-C, Shell script
Database Systems: Oracle DB, PostgreSQL, MySQL, MongoDB
Frameworks: Express Js, ExtJs (Sencha), Hibernate, JUnit, jQuery library, Laravel, Quartz Scheduler, Spring
Server/Container: JBoss, Apache Tomcat
Others: Node.js, Ajax, Git, SVN

WORK EXPERIENCE

Apple Inc., Santa Clara Valley, United States *July 2016 - Present*
Software Engineer
- Design and develop Enterprise applications using Java/J2EE technology for identity management services.
- Developed a Java profiling tool modifying java bytecode at class loading time to allow developers to inject codes into the running code to help pinpoint code's location that could potentially introduce issues.
- Designed and developed authentication and identity services empowering education projects.
- Collaborated with and supported the client and server integrations on education features.
- Implemented a scheduling framework to periodically trigger (series of) tasks based on configurations.

University of Southern California, Los Angeles, United States *August 2015 - December 2015*
Grader for CSCI 577A (Software Engineering)
- Prepared Software Engineering class materials and graded students' assignments and presentations as well as providing constructive advices.

Soft Square 1999, Pathumthani, Thailand *November 2013 - May 2014*
Senior Software Engineer
- Collaborated on a team for two projects: Java Web Application and iOS Application.
- Implemented corrective actions to troubleshoot SQL statements' performance issues in the application.
- Resolved clients' software usage issues in real time.
- Analyzed and developed automatic testing methods for the Java Web Application using JUnit.

Princess Galyani Vadhana Institute of Music, Bangkok, Thailand *February - November 2013*
Freelance Software Developer
- Designed and developed two web applications, PGVIM and PYO, using PHP and Joomla.
- Integrated core modules and contents of the web applications.
- Implemented Calendar Module for the PYO web application.

Softplus Technology Co., Ltd. (MFEC Group), Pathumthani, Thailand   *May 2010 - May 2012*
  Software Developer
- Developed, tested, and implemented Vendor, Invoice Matching, and Job Scheduler systems in the Store Management System.
- Adopted a Quartz Scheduler system for automatically performing job execution tasks.
- Implemented and tested Order, Purchase and Promotion Prices, Selling and Promotion Selling Prices, Back Room Inventory, and Shelf Tag systems in the Retail Management System.
- Built a remote backup system to backup testing virtual machines.
- Trained new employees in ExtJS (Sencha) in 2012 and JavaScript and Ajax in 2011.

PROJECT

Unified Code Counter (UCC) -- Directed Research   *June 2015 - August 2015*

An open source tool developed by the USC center of Systems and Software Engineering. The goal of the tool is to provide a consistent measurement that can help estimate progress and status as well as assist in the cost estimation process of the software projects.
- Collaborate with the researcher and integrated five separate projects developed by different teams into main working space for new releases
- Implemented fixes on urgent bugs reported by the release testing team

We Are Trojans (WAT) Network   *August 2014 - May 2015*

The aim of the project is to develop a platform to enhance relationship and collaboration among USC students (Trojans) using HTML/CSS and Laravel PHP framework by providing points as an incentive.
- Collaborated with clients and teams to develop and finalize requirements and implementation details for the projects.
- Designed the architecture of the system and as well as database structure of the project.
- Developed WAT point system, authentication logic, and in-page editing for threads and posts.
- Integrated and configured Elastic (Elasticsearch) as a search engine for the project.