

Stephen Kin-Man Ng

PROGRAMMER ANALYST

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Summary

I am a Web Application Developer specialized in creating solutions for health care professionals and administrators. I have extensive experiences in different application platforms, design patterns and development paradigms. Strong commitments in following industry best practices, maintaining communication with customers and long-term maintainability of the products.

Skills

Programming	Java, Groovy, PHP, Javascript, TypeScript, Python, C, C++, C#, VB.NET, SQL, HTML, CSS, Bash, \LaTeX
Web	Grails, Laravel, Angular, jQuery
Databases	MySQL, Access, SQLite, MS SQL server, MongoDB
Servers	Linux, Window Server, AWS, Docker, Puppet

Work Experience

Department of Radiological Sciences, UCLA

Los Angeles, CA USA

PROGRAMMER/ANALYST IV

Aug 2018 - Present

- Work as technical lead for two large scale projects by designing system architecture, create implementation/release plan and setting up team project management environment using GitLab platform. I also mentor and assign work to a Programmer/Analyst III
- Design and Development of next version of a Web-based Application for reporting of faculty academic productivity using a services based architecture. The application is implemented using RESTful API backend with Java/Grail environment and Spring Framework and Single Page Application Frontend with JavaScript/Typescript environment and Angular 7 framework

Department of Radiological Sciences, UCLA

Los Angeles, CA USA

PROGRAMMER/ANALYST III

Dec 2015 - Aug 2018

- Design and Develop Web-based Application to generate structured and comprehensive reports of faculty academic productivity by integrating multiple data sources. Application is used by more than 100 faculties, administrative assistants, fund managers, clinical trials study coordinators and department executive for academic personnel decision. The application is developed using Java/Grails environment with Spring Framework
- Design and Develop Web-based Application to accept and monitor clinical trials requests to the department. The application is developed using PHP/MySQL environment with Laravel Framework

School of Engineering Distance Learning Network, USC

Los Angeles, CA USA

PROGRAMMER/ANALYST III

Dec 2012 - Dec 2015

- Design and Develop online learning environment using PHP with Oracle backend
- Design and Develop administration tools

Dept of Medicine, UCLA Medical Center

Los Angeles, CA USA

SR. INFORMATION TECHNOLOGY SPECIALIST

Sep 2009 - Dec 2012

- Design and Develop patient medical records and data collection system for the Dept. of Medicine (DOM) outpatient program, as well as the hospital's internal medicine and urgent care facilities
- Manage all web-based systems for DOM Education Office to meet various departmental needs
- Design and develop a web-based, HIPPA compliant physician note system that readily permits exchange of information between primary physicians, consultants and other care providers, as well as rapid recoding of necessary data for record-keeping
- Support, maintain and expand existing medical reminder system to tract therapies, needed diagnostic studies, follow-ups, appointment, etc for monitoring of patient's care processes
- Create and develop a secure online patient-physician email based corresponding and prescription system
- Perform ongoing project development and site maintenance functions for various DOM websites

Dept of Medicine, UCLA Medical Center

Los Angeles, CA USA

PROGRAMMER/ANALYST II

Jun 2003 - Sep 2009

- Designed, Developed and Maintained Web solution for the Department of Medicine
- Developed Enterprise Patient Record and Preventive Screening Reminder (Expert) System (Outpatient Signout) with connection to MCCS web services
- Designed and maintained Website for Department of Medicine (Housestaff and Schedules)
- Constructed and Designed the Website portal for Dept. of Medicine
- Constructed multi-hosts testing environment using SME server (customized Red Hat 7.3 Linux server)
- Developed and maintained various websites in the Department of Medicine including Office of Research Administration Website

Education

UCLA Extension, Los Angeles PROJECT MANAGEMENT CERTIFICATION	<i>Los Angeles, CA USA</i> 2019
University of California, Los Angeles M.S. IN COMPUTER SCIENCE <ul style="list-style-type: none">GPA 3.8	<i>Los Angeles, CA USA</i> 2004
University of California, Los Angeles M.S. IN PHYSICS <ul style="list-style-type: none">GPA 3.8	<i>Los Angeles, CA USA</i> 2001
Chinese University of Hong Kong M.S. IN PHYSICS <ul style="list-style-type: none">GPA 3.8	<i>Hong Kong, Hong Kong</i> 1997
Chinese University of Hong Kong B.S. IN PHYSICS <ul style="list-style-type: none">GPA 3.7	<i>Hong Kong, Hong Kong</i> 1995