Stephen Kin-Man **Ng**

APPLICATION DEVELOPER

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Professional Summary

Web Application Developer with 15 years of experience designing and implementing solutions in the health care industry. Brings strong expertise in various application platforms, design patterns and development paradigms. Committed to following industry best practices, maintaining customers' focus, and establishing long-term maintainability of the products. Known for developing exceptional applications from beginning to end.

Skills

Programming	Java, Groovy, PHP, Javascript, TypeScript, Python, Perl, C, C++, C#, VB.NET, SQL , HTML, CSS, Bash, LaTeX
Web	Grails, Laravel, Angular, React, Bootstrap, jQuery
Tools	Git, Github, GitLab, SVN, Visual Studio Code
Databases	MySQL, PostgreSQL, Access, SQLite, MSSQL server, MongoDB
Servers	Linux, Window Server, AWS, Docker, Terraform, Puppet
Management	Project Management Professional (PMP) Certification

Certification

Project Management Institute   *Los Angeles, CA USA*

PROJECT MANAGEMENT PROFESSIONAL (PMP)   *2022*

Leadership Development

Professional Development Program   *Los Angeles, CA USA*

UCLA   *2019*

Work Experience

Department of Radiological Sciences, UCLA   *Los Angeles, CA USA*

PROGRAMMER/ANALYST IV   *Aug 2018 - Present*

System Architect and Technical Lead
- Provide technical leadership to two large scale projects
- Design system architecture Design for next generation of Faculty academic productivity metrics application(aRVU) using latest services based architecture to improve agility and performance. The application is implemented using REST API backend with Java/Grail environment and Spring Framework and Single Page Application Frontend with JavaScript/Typescript environment and Angular 7 framework
- Establish implementation and release plan to enable rapid development cycle, improve adaptation to requirements changes and increase development velocity with closed development tickets increased from 116 in 2019 to 329 in 2020.
- Collaborate with UCLA Health IT system operation team using Puppet to provision both development and production environment to ensure stability of the application
- Integrate various UCLA campus-wide Systems and Databases, including AD authentication through OKTA, Class schedules (SAIT) through Google Apigee Platform and other data sources though REST APIs

Technical Mentorship and Project Management
- Mentor and delegate work assignments to a Programmer/Analyst III
- Provide project management expertise and set up team project management environment using GitLab platform to promote collaboration and improve team communication

Department of Radiological Sciences, UCLA

Los Angeles, CA USA

PROGRAMMER/ANALYST III

Dec 2015 - Aug 2018

Academic Relative Value Unit (aRVU) Initiative

- Designed and developed aRVU Application to generate academic performance metrics of 100 faculties in Radiology Department to support academic personnel decisions like bonuses and promotions using Java/Grails environment with Spring Framework
- Integrated multiple internal and external data sources with automation to eliminate human data entry error
- Created user-friendly UI for more than 100 faculties, administrative assistants, fund managers, clinical trials study coordinators and department executives to enhance data accuracy and efficiency
- Application showcase in multiple cross-UC conferences to highlight usage of aRVU

Research Imaging Service (RIS) Application

- Designed and developed Web-based Application to handle clinical trials requests from at least 60 departments within UCLA to the Radiology Department using PHP/MySql environment with Laravel Framework
- The application is known as the golden standard for clinical trial management system in usability and functionality

School of Engineering Distance Learning Network, USC

Los Angeles, CA USA

PROGRAMMER/ANALYST III

Dec 2012 - Dec 2015

- Collaborated with a team of developers to design and develop online learning environment and supporting tools using PHP with Oracle backend
- Designed and developed internal administration tools to support students, faculty and administrators in the remote learning environment

Department of Medicine, UCLA Medical Center

Los Angeles, CA USA

SR. INFORMATION TECHNOLOGY SPECIALIST

Sep 2009 - Dec 2012

- Designed and developed 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
- Managed all web-based systems for DOM Education Office to meet various departmental needs
- Designed and developed 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
- Supported, maintained and expanded existing medical reminder system to tract therapies, needed diagnostic studies, follow-ups, appointment, etc. for monitoring of patient's care processes
- Created and developed a secure online patient-physician email based corresponding and prescription system
- Performed ongoing project development and site maintenance functions for various DOM websites

Department 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 UCLAHealth MCCS Patient Records web services
- 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

Los Angeles, CA USA

PROJECT MANAGEMENT CERTIFICATION

2019

University of California, Los Angeles

Los Angeles, CA USA

M.S. IN COMPUTER SCIENCE (GPA 3.8)

2004

University of California, Los Angeles

Los Angeles, CA USA

M.S. IN PHYSICS (GPA 3.8)

2001