Keng Chong

17269 90th Ave N,
Maple Grove MN 55311

Email: kengyjoe.chong@gmail.com
Tel(Cell): 1-651-315-9674

SUMMARY

Passionate software engineer with experiences in software requirement analysis & management, design, validation & verification test, software architecture, and development life-cycle. Familiar with tools development, documentation and team work. Enjoy learning new technologies and methodology to add value to the business for example CI/ CD.

Technical Expertise

Trane, Software Engineer, June 2016 – Current

- Backend Java software development for intelligence services using cloud based technologies (AWS).
- DataProcessor SW features development in an environment that handles high traffics of data ingestion.
- Played a major SW development role to start and completed data reprocessing engine.
- RESTful API development.
- Analytics development in R and configuring analytics engine.
- Agile software development.

Vaultara, Software Engineer, May 2014 - April 2016

- Client-Server design & development in an environment of LAMP stack, MySQL, AJAX, JavaScript, JQuery, Java, Eclipse, Ubuntu, scripting, DICOM and VirtualBox.
- Exposure to software development issues related to HIPAA.
- Private cloud based technology development.

CVRx .Inc, Firmware Engineer, May 2010 - July 2013

- Analyzed and collaborated software requirements management (MKS Integrity) with different groups and updated the corresponding code, Unit Tests, VT tests, and Integration tests.
- Software features development on a multi-threaded real time system consisting of PC (C#), Instrument (C++), and Implantable (C++) that involves communication protocols.
- Developed class libraries for verification tests that were compatible with shared projects.
- Collaborated VectorCAST and LDRA porting efforts and integrated with testing architecture.

CVRx .Inc, Associate Software Engineer, August 2008 - May 2010 (Intern)

- Worked & trained on software quality assurance: FDA 21 CFR Part 820, ISO 13485, & FTA.
- Reporting development with XML, HTML, CSS, MS Excel, PDF generation and web server.
- Tools development with Perl and C#.
- Continuous integration with CruiseControl includes software automatic build, test and metrics.
- Software engineering on 5 layers, app, framework, communication, and RTOS, and HW.

UST, Academic Projects, August 2007 – May 2010 (Student)

- Worked on academic projects with Java, JDBC/ODBC connections, state machine, threading, stored procedure (PL/SQL and TSQL), MS SQL, Linux, VMWare, JavaScript, and Groovy.

GCG Client, UNIX System Upgrade Contractor June 2006- July 2007

- Applied daylight savings patches, configuration changes and migration to AIX 5.3

SCSU, Weather Station Academic Project, 2004-2005 (Student)

- Designed the software requirements, coding, and testing for a weather station that included the quantitative analysis applied to the calibration of various sensors and SW.

Education and Certification

- Master of Science in Software Engineering, University of St. Thomas, MN, May 2010.
- Bachelor of Science in Electrical Engineering, St. Cloud State University, MN, May 2005.
- IBM Certified Specialist – eServer p5 and pSeries Administration, April 2007.
- Certified Scrum Master by Scrum Alliance, October 2017.
- Certified Scrum Developer by Scrum Alliance, October 2017.