

Kent D. Palmer

***Systems Engineer, Software Engineer
& Process Technologist***

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"My objective is to find a position of responsibility implementing new processes and technologies within the system engineering and software engineering development process, then to use these technologies to increase productivity and improve system and software quality. The proper use of tools in the development of real-time systems requires knowledge of process, methods, standards, and metrics, combined with development experience. I have a broad range of experience to offer any engineering organization interested in enhancing its real-time embedded technology capability as a way to increase its competitiveness."

- **Process Engineering**
 - Scrum Software Development Process
 - Agile, Lean, and Flow Practices
 - Traditional CMMI Process Improvement
 - Six Sigma
- **Agile Transformation**
 - Helping Restructure Organizations for Agile at Scale execution using Leffingwell development approach
 - Helping Product Managers and Product Owners to organize Product Backlogs
 - Helping Scrum Masters facilitate Self-organization of SCRUM Teams
 - Application of Reinertsen Flow second generation Lean principles to large projects
- **Technologist**
 - Agile Software Tools and Methods
 - Systems Engineering Tools
 - Traditional Software Engineering Environments
- **Real-time Software Engineering**
 - Architectural Design of Real-time Systems
 - Implementer of Real-time Systems
 - Real-time Methodology Expert
- **Systems Engineering**
 - Requirements Engineering
 - Systems Modeling with Formal Methods
 - System Architecture Design
 - Use Case Modeling
 - Systems Traceability

BACKGROUND:

* Semi-Retirement 2013-2016

Research and Teaching waiting for Job Market to improve

- Presentation of Schemas Theory at ISSS and INCOSE conferences (<http://schematheory.net>)
- Teaching Computer Science at Cal State Fullerton (Data Structures in C++)

* Agile at Scale Consultant 2013

Participant in Agile at Scale process definition and agile training efforts

- Developed and advanced and experimental Agile at Scale Model captured in written article which incorporated Scaled Agile Framework (SAFe) big picture developed by Leffingwell as an element
- Developed High Performance Teaming model as basis for a teaming course
- Consulted on Training Materials for Scrum Master, Product Owner, Agile Developer, and Agile Manager courses
- Worked with Client on Training Materials for Agile Introduction course offering
- Received Certification as Scrum Master and Product Owner through training from Mike Cohn

* Major Engineering Controls Company – June 2011 to September 2012 (Contract)

Software Systems Engineer and Technologist, Process Engineer

Most recent assignment:

Lead of Agile at Scale process definition effort

Last Assignment, 1 year

Lead Designer of Team Foundation Server (TFS) platform for Requirements Engineering

* Major Aerospace Company – February 2005 to December 2010

Principal Systems Engineer

Most recent assignment:

Requirements and Verification Systems Engineer

Previous assignments:

Systems Engineering Process Lead

- Improved SE Processes bringing them up to CMMI level 3 maturity confirmed twice by SCAMPI appraisals
- CMMI SCAMPI Appraiser for SE, HW, and SW technical process areas
- Organized and validated evidence to achieve CMMI Maturity Level Three in SE, HW, and SW
- Representative for Systems Engineering on Enterprise Process Group
- Representative for Systems Engineering on Division Systems Engineering Advisory Group
- Lead on AS9100 (ISO) Audit Preparation
- Interface for QA audits of SE Processes
- Interfaced with programs on process issues
- Gave Training on Systems Processes to Systems Engineers
- Reworked Division processes and implemented process changes to align with business

IR&D on Domain Engineering and Model Based Systems Engineering implementing the infrastructure for a proposal and design center

Ph.D. 2009 in Systems Engineering at the Defense and Systems Institute ([DASI](#)) program at the University of South Australia; Thesis title: Emergent Design. See <http://emergentdesign.net>

* Raytheon -- June 1999 to February 2005

Principal Systems Engineer

Most recent assignment:

Systems Engineer for Radio Networks

Previous assignments:

Systems Engineering Process Improvement at CMMI Level 3 moving toward CMMI Level 5

Systems Engineering Process Development and Deployment

Project Systems Proposal Activities

Systems and Software Engineering Process Appraisal based on CMMI

(helped attain SE Level 3, then two practices short of SE CMMI Level 5, December 2003)

Six Sigma Certified Specialist (Green Belt with Black Belt classes)

Systems Engineering and Software Engineering

Process Improvement

Project Reporting Improvement

Process Guidelines development

Process Liaison with Projects

Methods Consulting

Process Architecture Development

Process Directive Development

Trained CMMI Assessor

Trained Integrated Process Development System Deployment Specialist

Integration of Software and Systems Engineering Processes for OPF, OPD, OID

(Helped attain Level 5 in SW CMMI, December 2003)

Coordination with Program Management concerning SE ROM bids and SE proposals

Systems of Systems Methods and Process Research

Developed and delivered a course on: Software Requirements and Architectural Design Methodologies at the local University of California Irvine Extension (Fall 1999)

* Boeing -- September 1985 to June 1999

Software Engineer and part time Systems Engineer

Specializing in Real-time Embedded System Design & Ada/C Implementation

Focused on Architectural Design, Software Requirements, and also Simulation development

Last Major assignment:

Team Leader for both Systems and Software Requirements as well as Software Architectural Design, and then Software Developer for Detailed Design, Code, and Test on a Satellite Sensor Payload System

Previous assignments:

Software Process and Systems Process Consultant and Technologist

Wrote Processes for Software Engineering

Lead Process team to prepare for CMM Level 3 Assessment which was achieved

Trained CMM Assessor

Developed Software Engineering Environments

Technology Transfer of Methods and Tools

For further details see source URL <http://kentpalmer.name> [v22P-160328]