

Michael Raitman

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PROJECT LEADER / CONSULTANT / SOFTWARE ENGINEERING MANAGER

Software Technical Leadership / Software Architecture Definition

Software Process Improvement / Project Planning / Project Scheduling and Tracking

Software Development Leader: Over the last decade I have utilized my skills to provide technical leadership, define software architectures and mentor team members across a wide range of projects and products. I have developed and provided technical training for my team's members.

Software Management Experience / Process Improvement: I have enjoyed a series of key positions offering a variety of technical challenges. For each company I have helped establish improved software development methods and process improvements, established coding and documentation standards and managed projects efficiently using Agile methods.

Technical Success History: Many software projects do an inadequate job of meeting customer requirements or at times fail altogether. The projects I have led have always resulted in success as a technical achievement as well as satisfying product requirements and customer needs.

Technical Experience: My career has included extensive experience with real-time embedded systems software and digital hardware development. I have spent time with system architecture definition, resolving hardware/software tradeoffs and creating user-friendly interface designs across a broad range of technical applications, quickly learning new skills and technologies in a variety of commercial and military industries.

BSEE - Drexel University MSEE - Villanova University

SELECTED ACHIEVEMENTS AND SKILLS

- **Conceptualized and developed entirely new software architecture for embedded control system.** For Etec Systems I led the software development and also contributed low level driver and object oriented C++ code for 2 million+ line code base. We achieved significant improvements in time to market and software quality for a new line of Laser Mask Pattern Generators for integrated circuit manufacturers.
- **Improved system integration efforts, halving time required.** At Etec Systems, I replaced an antiquated, complex integration script language with easy to use Windows user interfaces and greatly simplified a very complicated hardware/software integration and calibration effort for each manufactured system.
- **Technical Skills:** I have worked on numerous projects involving object oriented analysis, design and code with C and C++, software modeling using Unified Modeling Language (UML) and various real-time operating systems such as VxWorks. I have frequently used tools such as in-circuit emulators, logic analyzers and digital storage oscilloscopes for debugging complex real-time systems.
- **Orchestrated software process improvement and capabilities.** At Thales my projects served as examples for successful Capability Maturity Model (CMM) level 2 and 3 certifications. At Etec, I took a very immature software organization and improved it to Level 3 of the CMM. I spearheaded the use of defined processes such as the Rational Unified Process and the use of Agile Software development using SCRUM project management and iterative software development techniques.

CAREER OVERVIEW

- **Computer Consulting** – Software Consulting Projects 2007 to present
- **Thales Communications, Inc.** – SW Project Manager 2004 - 2007
- **Etec Systems** – Senior Staff SW Engineer and Technical Project Leader 1997 -2004
- **Tektronix, Inc.** – Principal SW/HW Engineer 1995 - 1997
- **A to Z Computers, Inc.** – ran successful consulting business for over eight years. Developed embedded real-time software and user interfaces for a variety of clients and a diverse range of technical applications.