

Michael M. Lee

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Qualifications

Extensive experience developing, managing, selling and delivering software systems in a variety of high technology industries with increasing levels of responsibility and proven, positive results. Successfully delivered embedded, manufacturing, medical and enterprise systems into production. Built and managed local, distributed and offshore organizations with full personnel and budgetary responsibilities. Introduced and facilitated organizational and process improvement changes. Frequently called on to turn around, or ensure the success of, critical projects.

Professional Experience

Kabira Technologies (Enterprise Infrastructure) 1999 - 2010

VP of Application Engineering (2001-2010)

- Established an Engagement Office, essentially a *PMO-lean*. Defined essential processes, standards and controls for a multi project, multi department operation. Encompassed pre-sales, customer proposal, project implementation, and solution delivery phases. **Results:** Critical financial and technical information made visible earlier. Better-informed and timelier operational decisions possible. Profitability improved.
- Managed the initial delivery of new products and services to strategic customers to ensure their success. **Results:** All US Visa credit card transactions switched by Kabira's software today. Turned around a faltering project for a Merchant Credit Card Acquirer. Delivered an ATM project in parallel with, and dependent on, new product development.
- Directed development of Provisioning, Mediation, and Charging products for the telecom market and a Payment Gateway product for the financial services market. **Results:** Company evolved from a generic, infrastructure business to a market-driven, solutions business.
- Built and managed a 35-person Application Development organization including remote offices in Vancouver and Paris and an outsourcing organization in the Czech Republic. **Results:** Created economical application development capacity. Reduced the cost of enterprise interface development by 85% with outsourcing.

Director of Technical Services (1999-2001)

- Built and managed an 18-person organization to provide QA/Testing, Customer Support, and Education services. **Results:** Created infrastructure necessary for initial product delivery and support.

Model Integration (Consultancy) 1997 to Present

President, Principal Consultant (1997-Present)

- Formed a consulting company focused on applying the advanced technical and managerial skills of its partners to challenging, software industry opportunities. **Results:** Partners have provided critical modeling and management services to customers adopting OOA and MDA technologies at Kabira, KLA, CAT, Saab, Lockheed-Martin, Ampex, and Siemens Medical.

Project Technology (Software Methods & Tools) 1992 - 1997

VP of Engineering (1994-1997)

- Built and managed a remote product development organization with offices in Arizona. Led move from services to product business through acquisition of a CASE tool company. Developed and sold 1st commercially available MDA model compilers. Customers included: Motorola, Siemens Medical, and Varian. **Results:** The business was successfully transitioned to products and sold to Mentor Graphics. The core product, Bridgepoint, is still sold today.

Director of Professional Services (1992-1994)

- Built and managed a consulting organization with offices in California, Texas and New Jersey. Managed the sale and delivery of *all* customer engagements including IBM, Bell Labs, Sybase, Silicon Graphics, Broadband Technologies, GTE, Motorola and Tellabs. **Results:** Annual consulting revenue increased from \$250k to \$1.6M

Siemens/Acuson (Medical Ultrasound) 1990 - 1992

Leader, Software Architecture Group

- Introduced OO technology and processes to their engineering organization. **Results:** Reduced the software complexity of their 2nd generation ultrasound product by designing a layered control architecture.

ABB/Systems Control (Factory Automation, Power Mgmt, Vehicle Inspection) 1985 - 1990

Manager, Product Development Group

- Built and managed a 25 person organization focused on product definition, development and support. Introduced a QA program and initiated both technical and management training with PMO. **Results:** Created operational infrastructure to productize custom project work.
- Architected and managed the development of a core material handling automation system utilizing OOA and MDA techniques. Led the 1st commercial delivery of this technology to AT&T. **Results:** MDA allowed system to successfully track changing customer requirements.

Kaiser Aluminum (Factory Automation) 1982 - 1985

Architect & Group Leader, Computer Systems Group

- Architected and led development of an application framework used across 4 separate aluminum rolling control systems in a \$750M factory renovation. **Results:** Reduced development effort 38% with framework; systems delivered to factory on time.
- Delivered and tuned the above systems in the factory. **Results:** New systems increased the quality, reliability and throughput of factory production per ROI objectives.

Professional Recognition

Patent – “Apparatus and method for dynamically performing knowledge-based error recovery” (5,331,476)

Publications and Speaking Engagements – Numerous papers and presentations delivered at technical and trade conferences internationally. Focus has been on applying current software development and project management techniques in the real world. Conferences include, Software Development Forum, Automation Forum, Embedded Systems Conference, Object World, Object Expo, OOPSLA, and TOOLS.

University of California, Santa Cruz – Developed and taught “Applying Executable UML to Real-Time and Embedded Systems” class at UCSC Extension.

Education and Training

University of California, Berkeley

Post Graduate Study, Operating Systems and Data Bases

University of Maryland, College Park

Master of Science, Computer Science

Bachelor of Science, Physics

Professional Training

Managing Technical Staff, Finance for Technical Managers, Team Building, Software Project Management, Professional Time Management, Presentation Skills, PMI, Agile/SCRUM (CSM)