

DANIEL MARCUS
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San Francisco Bay Area

Engineering and Operations Leadership

Senior technology manager with broad and proven track record across diverse sectors, including Fortune 100 firms, government, startups, and consulting. Energetic and innovative leader, skilled team builder, strategic thinker, adept negotiator - combines business acumen and technical expertise to drive solution delivery across a broad range of organizational constraints and risk profiles. Mechanical engineering PhD, computational physics emphasis.

- IT systems design, implementation, and operation
- Software architecture
- SDLC (Agile, RUP)
- Managing high-performing technical teams
- Engineering/IT program management
- Technology portfolio management
- IT Governance and Standards (ITIL)
- Technology strategy
- Vendor management
- Performance and HA engineering

TECHNOLOGIES AND TOOLS

W2K3/W2K8, Linux, IIS, Apache, HTTP, TCP/IP, SQL, Java, C++, Perl, Subversion, Wireshark, AWS, Gomez, Nagios

PROFESSIONAL SUMMARY

Fliqz, Inc., Emeryville, CA

Vice President, Operations

2007 – Present

Key member of the senior management team, responsible for all technical operations for an industry-leading SaaS online video platform provider. Accountable for infrastructure availability, scalability, and performance. Collaborate with CEO and other department heads on technology and business strategy.

- **Designed, built, and managed video ingestion, delivery and analytics platform infrastructure**, including production, staging, and development environments, monitoring/alerting infrastructure, and CDN integration
- **Scaled platform through 1000X traffic growth in three years**
- **Achieved 100% availability for two years running**
- Managed IT budget, vendor ecosystem, and CDN strategy
- **Designed low cost, HA storage subsystem** for rapidly growing rich media repository (> 20 TB)
- **Championed Agile development practices** and served as Scrum Master for the development team
- Drove Level 2 incident and problem resolution for Customer Service department

Washington Mutual, Emeryville, CA

Technology Manager

2003 – 2007

Led multiple infrastructure and application architecture initiatives driving value, innovation, and efficiency in Washington Mutual's technology portfolio

- **Created, launched and managed shared hosting platforms** for web applications and databases. Built infrastructure platforms, support teams, and service delivery model. **Achieved > \$2M annually in hard savings via server decommission and rationalization**
- **Led the development of a Systems Development Lifecycle for WaMu technology projects, migrating legacy waterfall to a RUP variant**
- **Drove the SDLC component of Sarbanes-Oxley compliance activities**
- Led multiple architecture consulting engagements across WaMu technology portfolio

Liberate Technologies, San Carlos, CA

Chief Architect, Asia-Pacific Services

2002-2003

Chief technologist for greenfield establishment of an APAC professional services presence for a digital television software provider.

- **Responsible for end-to-end architecture and deployment** of all regional Liberate solutions
- Principal architect for Music-on-Demand application integrating content delivery with billing, asset management, and digital rights management services and a digital set-top-box client
- **Drove extensive cross-functional collaboration** to tailor and deliver regional solutions

Aptegrity, San Francisco, CA

Chief Technology Officer

2001

Thought leader in creating and executing the technology strategy for a managed services firm

- **Enhanced and focused Aptegrity's application monitoring, management, and optimization solutions**
- Created technology-specific service offerings (WebLogic, BroadVision, Interwoven)
- **Led technical due diligence for acquisition targets**
- Managed Western Region engineering team

Speechwise Technologies, San Francisco, CA

Co-founder, President, Chief Operating Officer

1999-2001

Built a software company to integrate speech recognition technologies with enterprise applications

- **Created the technology vision, core product architecture, strategy, and business plan**
- Attracted a world-class engineering team
- **Raised seed and Series A venture financing**
- Developed key early partnerships
- **Executed successful merger**

Xpedior, San Francisco, CA

Director of Consulting Services

1998-2000

Technical Architect

1997-1998

Program and project lead for the design and delivery of e-business applications for Global 2000 and dot-com clients

- **Led geographically dispersed teams of engineers and business analysts** to build a digital rights management system and e-commerce infrastructure for Internet-enabled digital media distribution
- Spearheaded the creation of an enterprise knowledge management system for a global sales organization
- Designed and built several subsystems for DOMAIN, an award-winning court case management system
- Developed training material and led classes in OOA&D, the Forte WebEnterprise SDK, and BroadVision.

Lawrence Livermore National Laboratory, Lawrence Berkeley National Laboratory

Mathematician

1988-1997

Designed and implemented large-scale scientific computing solutions for USDOE "Grand Challenge" problems

- Developed algorithms for simulating stratified flow, achieving unprecedented resolution of fluid interfaces
- Created object-oriented code for solving systems of conservation laws on nested hierarchies of logically rectangular grids, **increasing computational efficiency by >300%**
- Developed simulations and analytical tools to calculate relaxation spectra of ocean waves

School of Mathematics, Institute for Advanced Study, Princeton, NJ

Visiting Scholar

1991

Developed computational techniques for simulation, visualization, and statistical description of turbulence

EDUCATION

Ph.D., Mechanical Engineering, University of California, Berkeley

M.S., Mechanical Engineering, University of California, Berkeley

B.S., Mechanical Engineering, U. Mass., Amherst (*Summa cum Laude, Tau Beta Pi*)

PUBLICATIONS

Professional XML, 2nd Ed., (co-author), Wrox Press, 2001

20+ articles in refereed scientific journals on scientific computing, mathematical physics, and fluid dynamics.

CERTIFICATIONS

Sun Microsystems Java Technology Architect

ITIL Foundation