

JIM ANDERSON
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EXPERIENCE

ACEForce Consulting LLC, (USA mainland) April 2014 – Present

Technical Consultant: Advisor to companies on operations, business strategy and technical development. Some work is protected by confidentiality agreements. <https://www.aceforce.net>
I have been called in to assist probably a dozen or so clients; here are some select disclosures:

- Interim Operations Manager, Finish Technologies, Greenville, SC (2024-2025)
- Produced “Business Transformation Recommendations for Drug Product Planning and Scheduling” for capital region biotechnology company. (Implemented 2019-2023).
- Developed Monte-Carlo Simulation for large late-stage Clinical Trial Drug Supply and Distribution Networks for 3rd party biotechnology and pharmaceutical consulting firm.
- Provided interim operational assistance to Bay Area Photovoltaic Test Company during their search/transition to new VP of Operations.



Genentech, South San Francisco, CA October 2005 - April 2014 (8.5 years)

Clinical Molecule Supply and Demand Team Leader: Drug supply manager of a portfolio of pipeline development molecules including Ocrelizumab (2H7) – 2017: FDA Approved as OCREVUS® (Blockbuster, >\$1B USD sales 2018), Bevacizumab (Avastin®), anti-PCSK9, Rontalizumab, PI3-Kinase Inhibitor and Thrombolytics (tPA / Activase®.)

- Managed production and inventories for the largest portfolio of product in the department throughout a period of radical change, including ERP system implementation, global scale-up of hundreds of new clinical programs, and corporate takeover by Roche.
Success = Uninterrupted Patient Supply. Period.
- Partnered with and directed activities of multiple 3rd party organizations for outsourced functions including CDMOs, IRT/ IxRS and external vendor cold chain inventory management.
- Developed mathematical models and simulations for supply chain optimization, including parameters for balancing costs of production, distribution and inventory. Also developed demand-planning methodology (=end point forecasting) to address the calculation of appropriate production volumes amidst large demand variability in early stage clinical development programs.

Genentech
IN BUSINESS FOR LIFE

Operations Rotational Leadership Development Program

Operations Analyst: Internal consultant competitively selected to drive strategic and tactical high-priority project work for senior management in a series of 4 consecutive, 6-month assignments in Biochemical Production Services, Operational Excellence, Process Development, and Operations Finance.

Results:

- Process analysis / redesign squeezed “hidden capacity” out of the SSF Biochemical Production facility without additional CAPEX to meet market demand.
- Unusual analysis of “New Technology” uncovered unexpected value in investing in an alternative delivery mechanism for a molecule facing patent expiration. NPV of device: ~\$1B.
- Basis of Conceptual Design / Capacity Analysis for new Fill Finish Plant – Greenfield Construction circa 2007. Commercial Production commenced in 2012.
- Developed a model correlating anticipated run rates to headcount requirements in South San Francisco. This informed the new multi-site workforce management strategy circa 2008.



**General Motors Corporation and Fuqua School of Business, Durham, NC 2003-2005
Consultant, General Motors Hydrogen Fuel Cell Initiative**

GM came to Duke University with a \$2M grant to cohere a commercialization plan for a proton-exchange membrane (PEM) fuel cell passenger vehicle to be on the US market by 2010. We studied issues such as vehicle performance and range, wheel-to-wheel analysis of environmental impact and cost, hydrogen fueling infrastructure and the overall economic value that could be realized. While a hydrogen economy offers some great promise for a zero net carbon energy future, until new storage technologies emerge, we concluded H₂ was not a viable alternative fuel for small passenger vehicle transportation at the time. However, H₂ did show promise as an energy carrier for many other transportation applications, *including transporting itself as a store of electricity via a large highway, railway or ocean-going fuel cell vehicle.*



**International Business Machines Corporation, Essex Junction, VT 1997-2003
Intellectual Property Development Engineer, IBM Microelectronics ASICs Division**

My first job: I worked on ASICs (Application-Specific Integrated Circuits) at IBM. My small team had a big impact on the marketplace and on IBM's bottom line. We developed the crucial IP that saw multiple generations of highly profitable product - spanning over a decade - to market, which in IBM's history, ***despite its technical prowess – is quite rare.***

Leadership Roles:

- Verification Leader and Primary Customer Interface for ASIC Core Design Team.
- Defined next-generation design architectures at IBM conferences in RTP, NC and Hursely, England with senior technical staff.
- Team efforts propelled IBM ASICs to #1 ASIC Supplier in the World each year from 1999- 2003.

Proven Development and Market Success

- Designed, Implemented, Fabricated and Tested 3 Generations of Ultra High Bandwidth Custom ASICs for OEM Marketplace. All designs reached High Volume Production for companies including Cisco Systems (CRS-1 Routers, World's Fastest Router, Guinness Book of World Records 2004), Siemens, AMCC and Apple.

I worked very closely with these customers to tailor our offerings to their needs.

- Outstanding Technical Achievement Award, December 2004 for Cisco ASIC EI Cores.
- Verification/Test Focus produced all designs First Time Right in Customer Hardware. Design Win Revenues exceeded \$100M USD. This SERDES space became a 10-figure profit center for IBM.
- Skills include Hardware Verification/Validation (both simulation and lab), FPGA Design/Test, VHDL/Verilog, Unix/Linux, PERL, K/C-shell scripting and WindowsXX, MacOS.

EDUCATION



**Duke University, The Fuqua School of Business, Durham, NC
Master of Business Administration**

**University of Vermont, Burlington, Vermont
Master of Science, Electrical Engineering, Graduate Teaching Fellowship**

**Duke University, Pratt School of Engineering, Durham, NC
Bachelor of Science in Engineering Majors: *Biomedical Engineering, Electrical Engineering.* Dean's List, School of Engineering**

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INTERESTS

- **Trumpet:** Technically Trained, Proficient in Classical and Jazz Formats.
5 Original CD recordings.
Performances as **Lead Trumpet** with Jazz greats **include Eddie Palmieri, Delfeayo Marsalis, Lou Donaldson and John Faddis.**
- **National Science Foundation Mentor:** Advisor to early-stage companies seeking SBIR/STTR funding on business plan development.
- **Adirondack Hiking and Skiing**