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[HTTP://WWW.SI9.COM/](http://www.si9.com/) (SPECIFIC IMPULSE INC.)

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Summary

- World-class web application architect with over 25 years programming experience. Over 10 years experience in the architecture, design, and delivery of complex integrated web applications built using ColdFusion.
- ColdFusion Certified Developer, Flash Remoting, Rich Internet Applications, ColdFusion/Flash MX.
- Portfolio of dozens of corporate web sites and portals. Designed numerous database-driven sites for high-tech and business-to-consumer companies.
- Experienced in multilingual web systems for large companies, including multibyte Asian languages. Expert in knowledge discovery systems including online catalogues, corporate intranets, and partner extranets.
- Excellent organizational, project management, communication, and problem-solving skills.

Employment

Technology Director

May 2005 - current

AllEire Ltd.

Co. Cork, Ireland

AllEire Ltd. is an eBusiness venture in the local search, online community, and software-as-service markets.

- Serve as database designer and application architect for the AllEire.ie business directory and eBusiness solutions portal, launched in Ireland.
- Responsible for data migration of a third-party database and application integration with partners. Optimized database queries and application logic using SQL and ColdFusion.

President and Chief Technology Officer

VP and CTO, February 2000 – 2007; President 2007 – current

Specific Impulse Inc.

Alameda, CA

Specific Impulse provides eBusiness, eMarketing, and information architecture solutions to a range of clients, including Applied Materials, Cisco, Harmonic, Seagate, and other leading firms.

- Architected and developed the StageOne™ eBusiness platform, a suite of business tools built on a rapid-development infrastructure. The key technology focus is a database-driven development framework that runs on Windows/ Microsoft SQL Server or Linux /MySQL. Designed software-as-a-service solutions, on-demand applications, and a hosted application platform.
- Used the StageOne platform to develop and deploy web applications at over a dozen customer sites, including web content management, online document management, secure extranet management, customer relationship management, email campaign management, and analytics that report on marketing campaign effectiveness and pay-per-click keyword performance.
- Architected and developed a large, complex, global intranet for Applied Materials, serving tens of thousands of documents to thousands of users worldwide. Provided single sign-on to multiple applications, and integrated LDAP, adaptive collaborative search, and other technologies.
- Architected a high-volume, high-availability, load-balanced 3-tier shopping cart for PriorityClick, a “dot-com” business.
- Designed and built the Seagate Branding Portal and the Seagate Project Management Portal.
- Designed and built the Cisco Marketing Acceleration Planner, a central piece of Cisco Partner Central.

Senior Product Manager

1997 - 2000

Informix Software

Menlo Park, CA

Informix (now a division of IBM) was at the time the world's second-largest database company, and a leader in database-driven web solutions for managing multimedia.

- Managed features, releases, documentation, beta programs, pricing, and customer support in a highly chaotic corporate environment.
- Pioneered a worldwide strategy for solutions (combined software and services) delivery: defined the products and processes, including relationships with internal consulting organization, customers, and VARs.
- Worked closely with local salesforce in Hong Kong, New Zealand, Spain, Mexico, and the US. Delivered presentations on ORDBMS technology and applications to CIO- and DBA-level customers.

Product Manager/Specialist

1991 - 1997

Bio-Rad Laboratories, Inc.

Hercules, CA and Hemel Hempstead, UK

Bio-Rad is a key international player in Laser Scanning Confocal Microscopy and 3D visualization.

- Application Specialist/Product Manager, Bio-Rad Microscience Division, Hemel Hempstead, UK:
 - Conceived and executed worldwide live-cell confocal product strategy, including applications software and worldwide marketing program.
 - Worked closely with British academic leaders at MRC and Oxford University.
- Product Support Specialist/Supervisor, Bio-Rad Laboratories, Hercules, CA:
 - Responsible for PhD-level scientific and technical sales support, as well as design of customer support tools and user training courses. Traveled extensively to academic, industry, and national laboratory sites in the US.
 - Continued as a corporate international resource, with work in Brazil, Australia, and the UK.

Expertise

Engineering

- Web Application Design and Development (CFML, ASP, JSP, PERL, Javascript, SQL)
- ColdFusion Certified Developer, Flash Remoting, Rich Internet Applications, ColdFusion/Flash MX.
- Instrumentation Design and Development (I/O, RTOS, Electromechanical)
- Relational and Object-Relational Database Architecture (MS SQL Server and MS Access, Informix Server 7 and 9, MySQL)
- Internet Protocols (HTML, CSS, XML, HTTP, FTP, SMTP, POP)

Product/Project Management

- SWOT/Segmentation analysis
- Marketing Requirements Documents (MRDs) and Usage Scenarios
- Technical Requirements Documents
- MS Project/Office/Access
- Revision Control (Clearcase, Visual SourceSafe)

Digital Imaging

- Image acquisition and processing
- 3D image reconstruction

Scientific Techniques

- Cell Biology (Tissue culture, immunocytochemistry, live cell microscopy)
- Conventional and Laser-scanning microscopy
- Electrophysiology
- Flow Cytometry
- Protein chemistry (PAGE, Column Chromatography, Dot Blot, etc.)

Education

2000	Mini-MBA, JFK University, Orinda, CA
1988	Ph.D., Biophysics, University of California, Berkeley, CA
1981	B.A. Physics and Integrated Sciences, Northwestern University, Evanston, IL

Publications

Biomedical research published in prestigious journals such as Nature and the Journal of Cell Biology. Significant published scientific research in cell biology/biochemistry/physiology (bibliography available on request).