

# CHESTER M. REGEN, PHD

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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).