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**Objective** Over 30 year's experience in engineering, development, and development management, primarily in Financial IT and Market Data, presently seeking a position as technology lead and development management for an IT project, department, or organization.

**Experience** **Manager, Research & Development**, Wall Street Systems, London, Jul 2010 - Present

Management of a team of 25 developers and QA responsible for:

- Ongoing development of two Windows based Treasury Management Workstation products,
- Planning and tools for client migration,
- A cloud based enterprise Electronic Bank Account Management platform

Technical Lead and Architect for a next generation web portal integration system including:

- Architecture and design,
- Vendor and platform evaluation and selection,
- Java development team building,
- Agile development practice adoption

Products across this remit generate \$16M annual revenue serving 200 mid-market corporate and governmental clients.

**Director**, Markit Group, Ltd., London, Aug 2007 - Jul 2010

Technical lead for Markit Desktop for Web, a java based web portal providing aggregation of a diverse set of Markit products including real-time and streaming data. Responsibilities included system design and architecture, development team management of 6-9 developers and QA, vendor and technology qualification and selection, Ops process design, and product management support.

Results included:

- ✓ On schedule and on budget delivery
- ✓ Integration of presentation across 6 product lines generating \$80M
- ✓ Significant development cost savings by use of fully offshore development and QA teams

**Principal**, Delta Digital Design, L.L.C., New Orleans, LA, Jul 2005 - Aug 2007

Consulting practice with 2-5 associates with Markit as key client. Architect and technical lead for Markit Quotes - an enterprise CDS and Credit product pricing and email management system. Markit Quotes generated intra-day price quotations by parsing client emails in real-time. Responsibilities included system design and architecture, hands-on development, development and QA team management, ops design and coordination, and product management support. Markit Quotes achieved significant results on a tight schedule including:

- ✓ Delivery: in beta within 3 months and live in 6 months
- ✓ Adoption: 16 buy-side clients within first year
- ✓ High scalability: parses 500,000 emails per day generating 2,000,000 prices daily
- ✓ Growth: Markit Quotes now services 200 clients

**Vice-President**, Moneyline, Moneyline Telerate, New Orleans, LA, Sep 2000 - Aug 2005

Development and QA team manager for a team of 10 responsible for design and development of Webstation, a real-time, streaming, browser hosted, full featured market data workstation.

Results included:

- ✓ On time and on budget initial rollout
- ✓ Seven major versions release, monthly minor releases, semi-annual major releases
- ✓ Growth to an installed base of 16,000 users
- ✓ Annual revenue of \$16M

**Technical Director**, Bridge Information Systems, New Orleans, LA, Jun 1998 - Sep 2000

Development team management and hands-on design and development for the Active1 market data workstation.

**Manager, Workstation Development**, Dow Jones, New Orleans, LA, Oct 1989 - Jun 1998

- Team leader and hands on developer for Matrix, Teletrac and other market data products,
- Client facing 'Technical Evangelist' for workstation products

Products developed by this division generated nearly a half billion USD over their time in service.

**Principal Engineer**, Telerate, New Orleans, LA, Oct 1985 - Oct 1989

Telerate acquired my company Delta Digital Design. I continued in similar role.

**Owner**, Delta Digital Design, New Orleans, LA, Jun 1981 - Oct 1985

Hands on engineering of various hardware and firmware solutions for market data delivery.

**Faculty, Computer Science**, Loyola University, New Orleans, LA, Aug 1980 - Jun 1982

**Technical Staff**, Hughes Aircraft Company, Los Angeles, CA, Aug 1978 - Aug 1980

**Researcher**, Argonne National Laboratory, Chicago, IL, Jun 1978 - Aug 1978

## Education

Tulane University, **Ph.D, Computer Science**, Jan 1982 - May 1988

University of California, Los Angeles, **M.Sc., Computer Science**, Sep 1978 - Aug 1980

Loyola University, **B.Sc., Computer Science**, Aug 1975 - Jun 1978

## Publications

- P. Johnstone, **Decimal floating point representations**, Tulane University, 1988
- P. Johnstone and F.E. Petry, **Design and analysis of non-binary radix floating point systems**, Computers and Electrical Engineering, 1994
- P. Johnstone and F. E. Petry, **Higher radix floating point representations**, Proceedings of the 9th IEEE Conference on Computer Arithmetic, 1989
- P. Johnstone, **Higher radix floating point representations - Architecture and Algorithms**, Computers and Electrical Engineering, 1997
- P. Johnstone and F. E. Petry, **Non-Binary floating point representations**, Computers and Math. Applications, 1993
- P. Johnstone and F.E. Petry, **Rational number approximation**, Proceedings of the 1992 IEEE Southeastcon Conference, 1982
- P. Johnstone, **Representational error in binary and decimal numbering systems**, Proceedings of the 20th SE Regional ACM Conference, 1982

## Awards

**Loyola University Fellow**, Sep 1976

**University Academic Scholarship, Loyola University**, Jun 1975

**Appointment to the United States Military Academy at West Point**, Jan 1975

**Control Data Corporation Scholarship**, Jan 1974