

# Ajay Nair, MBA, MURP, GISP

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## Enterprise Systems/Business Management Professional

*Business Planning / Development*

*P/L, Project Mmanagement*

*Geospatial, KM, Asset Management*

Provides highly motivated leadership for forward looking organizational, process and systems transformations. Extensive process, systems and organizational experiences on diverse market segments in USA, Singapore, India and middle east regions. Innovative, transformative and enterprise level leading technology experience that includes:

*Enterprise Vision to Implementation Cycles*

*Government/ Private Sector Leadership*

*Process Improvement*

*Asset Management Systems*

*Emergency Response / DR systems*

*Urban Planning Sector*

*Solutions/Product Research & Development*

*Team building Change Management*

*Solutions Architecture*

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## Achievements

**Organizational Leadership:** Provided leadership, implemented enterprise GIS/IT processes, systems and achieved transformational performance improvements in Singapore with ISO 9000-2001 and other quality management practices. **Results:** Increased productivity, improved customer services, process efficiencies, decision support.

**Executive Management:** Ventured into business initiatives and as chief executive, with P/L and strategic organizational and growth responsibilities, led the entity into multiple product partnerships and services. **Results:** Implemented multi-country venture/projects, operations and managed business portfolio.

**Product / Solutions Management:** Managed enterprise Projects, Strategies, Product/Solutions Architecture, System Development, Training programs and Maintenance with government and private sector markets. **Results:** Enhanced enterprise solutions / products portfolios for systems, technology, process and people resource management.

**Knowledge Management:** Conceived and implemented business and knowledge management systems using web/Application servers, database, GIS, 3d visualization and planning and development knowledge taxonomies. **Results:** Led to successful implementation of enterprise wide information taxonomy structure and knowledge management systems.

**Enterprise Service Management:** Managed enterprise IT services, member of national Steering/Technical Committees, Industry Alliance International (IAI) for national CAD Standards, Technical Working Committees, Data Exchange Committee for inter-agency systems, Enterprise-wide system migrations. **Results:** Lowered cost of operation and improved inter-agency/department data integration. Resolved inter-agency organizational/technical issues, implemented better Service Level Agreements, Standards and Quality assurance procedures.

## Professional Experience

### Chief Executive Officer, BartiNet.com

2002 - present

Founder of BartiNet.com with responsibilities for P/L, development and growth. Successfully negotiated partnerships and expanded product/solutions portfolio and market reach in India, Singapore, middle east and Europe. Organize resources, guide/mentor staff and partners. Projects includes HealthGIS web portal for department of Health Singapore, location based project management system, 3D GIS for hydro- electric project feasibility studies, mining/minerals GIS projects in Botswana.

### Co-founder, Director of Academic Alliances & Partnerships GCI USA

2009

Coordinate, lead and direct GCI activities. Create and maintain international sustainability related educational technologies, projects and knowledgebase. Design and develop system to promote sustainability education systems for developing nations.

### Senior Consultant, DTS USA

2008 - 2009

Florida Department of Transportation: District Work Program mapping using Linear Referencing System. Regional Emergency Management platform for Mid-America Regional Council. Includes administration and spatial ETL components. Used Safe FME for Webased ETL applications using ASP.Net, system architecture.

**Senior Consultant, Fugro EarthData International, Inc.****2006 - 2007**

Provide consulting service for enterprise GIS solutions - design and implement, system architecture with ArcGIS 9.x Server and desktop system. Brevard County, Future Land Use Mapping application using ArcGIS Server. S. Florida Water Management District, West Palm Beach, Asset and Survey information portal. Mississippi Dept. Environment Quality mapping project. Reports to GM Solutions division.

**GIS Specialist, City government, Florida, USA****2005 - 2006**

Managed enterprise wide IT/GIS services and communication facilities for all departments of the City, report to City Manager. Planning and Zoning Department for ESRI ArcGIS9 database preparation, analysis and output. Implemented Business Continuity Plan (BCP) with off-site Data Centre. Design, develop City's Internet Web Site and functions revamp existing site. Managed Vendor support on IT and Comm. Infrastructure, Media centre Audio Visual facility for City Council.

**Senior GIS Analyst, PBS&J, Florida, USA****2005**

Conducted business development, system design, development and maintenance support on GIS at PBJs Miami Headquarters, reported to Program Manager. Develop, supervise and mentor GIS resources. Propose, design, coordinate development of Florida Department of Transportation Enterprise GIS. Maintain/support GIS for Florida Turnpike Enterprise Asset Management System (TEAMS) using Geomedia Web Map Server, OAS, ASP.Net, JSP, Crystal Report Server. Storm Water Drainage GIS for County in Florida. coordinate bulk registration/conversion of Aerial data with Microstation.

**GIS/IT Business Manager, Indus Associates, California, USA****2005 - 2005**

Professional business management consulting services for functional and technical issues of enterprise businesses with strategies and customized solutions, reports to Managing Director. The advisory include cost effective measures, improve customer satisfaction, internal/external communications. Client business strategy for effective operations and Enterprise management. Improvements through Training and development of software solutions marketing plans, schedule, pre/post sales activities.

**Technical Manager / Executive Systems Analyst, URA Singapore****1997 - 2005**

Led and managed IT resources for Urban Planning, Design, Land, Car Park and Real Estate Management divisions, reports to Head of IT Section (ranked among 20<sup>th</sup> CIO Asia 100 organizations). Managed GIS/IT resources, users and committees (approx. 15 projects per year). Organize/manage enterprise services, member of Steering Committees, support national Physical Planning, Urban Design and Conservation divisions. Prepare proposals for enterprise Quality Award; manage ISO quality standards, ISO Audits and ISO committees.

**GIS Applications Manager, Land Information Centre (LIC), Qatar****1994 - 1997**

Managed and developed GIS applications as Technical Manager for various IT/GIS services (approx. 15 per year) reporting to Asst. Head of LIC. Support National Physical Plan for Qatar and SDI infrastructure and products with HOK USA and Louis Berger Inc. LIC is the GIS/IT centre for national land management, planning and survey departments with more than 500 staff. Manage the Migration of enterprise GIS and survey legacy systems.

**GIS Technologist, Centre for GIS, Qatar****1992 - 1994**

Conducted technology research and development for central GIS coordination use of ESRI DEM, ArcInfo Network, 3D Modelling, ArcView technical committee. Prepared reports to Head of CGIS. GIS coordination and service for national Supreme Council of Planning integration [national Planning Commission under State Cabinet - setup GIS support services. Coordinated between all Ministries under the Supreme Council for information.

**Scientist, RSAC, Indian Space Research Organization, India****1988 - 1992**

Directed National Land Use Mapping project using IRS LISS II satellite data. Conducted region wide Land Use Mapping using supervised image classification and ground data methods. Managed Urban Land Use Mapping using Aerial Photograph [NRSC], Aerial data rectification using GCP across 12 cities/towns, funded by World Bank.

**Research Associate, Office of Chief Town Planner, Kerala, India****1987 - 1988**

Regional Planning Modeling project involving mathematical and GIS modeling of long-term urban smart growth strategies for the State. Research on Capital Region development strategies and guideline. **Consulting Projects:** ● **National Urban Comm. 1985, CEPT University, India, 1987** Assist National Urban Commission 1985 on Urban poverty alleviation project. The task includes collection, analysis, policy documents, data, policy guideline papers & reports. The study involved past 5year plan policy data from federal/state governments covering the urban poverty alleviation topics. ● **Aga Ghan Rural Support Program India 1987** Micro level planning for rural regions, using community Agriculture, Infrastructure (Road, Irrigation, electricity, environment) and local co-operative enterprise development. Medium and long-term planning guidelines and structural plans. Household and unit level survey for statistical models. ● **Indian Institute of Management (IIM), India, 1987**, National Industrial development policy research for backward regions- using sample surveys, historic records on State and National 5 year and Annual Plans and policies, extraction of policy discrepancies across states and its impact on Industrialization.

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## Education / Professional Development

- **Masters in Business Administration (MBA):** College of Business Administration, Southern Illinois University, Carbondale, USA, 2003.  
[<http://www.cba.siu.edu/>]
- **Masters in Urban and Regional Planning:** School of Planning, CEPT University, India; 1st Division and 3rd rank/position. 1987.  
[<http://www.cept.ac.in>]
- **Masters in Geography & Statistics:** University of Kerala, India, 1st Division, 2nd rank/position in University, 1985  
[<http://www.keralauniversity.edu>]

## Professional Training / Awards

- GIS Professional (GISP), GIS Certification Institute, USA 2008
- Microsoft Certified Technical Ed., Mastering Enterprise Development, Iverson Singapore.
- BEA Web Logic : Rapid Web Application Training, BEA South Asia, Singapore (2004)
- Enabling Distributed Technologies for Enterprise Development, NUS. Singapore
- Certificate of Achievement '7 Habits of Highly Effective People', Civil Service College
- Certificate of Accomplishment on Assertiveness as Leadership Skill, Civil Service College
- Merit award IT Standards Council for ISO CAD Standards services, SPRING Singapore.
- Certificate of appreciation (GIS), Ministry of Municipal Affairs & Agriculture, Qatar.
- Certificate of Achievement Planning Foundation Course, URA, Singapore
- Certificate course on Oracle 7: Electronic Development & Research Centre, Govt. of India.
- ESRI GIS training, ESRI South Asia, Singapore (2004), ArcGIS, ArcSDE, ArcGIS Server
- Advanced training on COM based enterprise development: Iverson, Singapore (2000)
- Digital Image Processing, RRSC, Indian Space Research Organization(ISRO), India
- Problem solving and Decision Making Course at Civil Service College 1998.
- Serena Dimensions SDLC source code and document management system 2007

## Professional memberships, conferences

- Member, American Planning Association (APA), USA
- Member International roster of experts, UN Centre for Human Settlements(UNCHS), Kenya.
- Co-founder GCI USA and Bartinet.com India.
- Member, Institute of Town Planners (ITPI), India
- Life member, ISRS, India
- Asian Conference on Remote Sensing (ACRS) 1991, Guangzhou, China
- International Conference on Remote Sensing & GIS [ICORG 92], India
- International Conference on GIS, Qatar (1994)
- URISA Conference 2000, Orlando, USA
- ESRI User Conference 2007, San Diego, USA
- Urban & Regional Information Systems Association(URISA)2000 Conference, Florida, USA
- Asian Conference on Remote Sensing (ACRS) 2001, Singapore
- Great Asian Streets Symposium (2004), School of Environmental Design, NUS, Singapore
- GIS EXPO 2005 & 2007, Florida, USA
- GreenCities Orlando 2009 Conference, USA