Abdussalam Marghnai Milad Bannur

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Education:

09/2009-07/2012	University of Minnesota, Department of Computer Sciences, USA, MSc Computer Sciences.
08/2008-07/2009	Attended the Minnesota English Language Program, UMN Minneapolis.
09/1993 – 05/1995	International Institute for Aerospace Survey and Earth Science (ITC) - The Netherlands. MSc Application of GIS in Urban Planning
09/1980 – 04/1985	Al Fateh University (currently University of Tripoli) , Faculty of Engineering, Department of Computer Engineering, Tripoli-Libya. BSc Computer engineering

Employment

07/2005 – present	**Lecturer,** University of Tripoli, Faculty of Science, Department of Computer Science, Jafara Campus Tripoli-Libya. • Teaches Databases, Numerical Analysis and System Analysis and Design courses. • Web Programming courses. • Programming with C++, Fortran, Python. • Director of Studies & Examination department (2014-2017).
01/2008-08/2008	**Member** of the National Mapping Project Committee, Survey Department of Libya, SDL. The committee has been responsible for the following: • Setup frame work for the project • Select consulting farm for the Project • Select implementing company • Oversee Project implementation.
11/2005-11/2007	**National GIS consultant**, Libyan Spatial Data Infrastructure LSDI Project, Tripoli-Libya • Coordinating between international team and 19 National Agencies involved in the project. • Involved in preparing the following:

- Stakeholders Survey Report
- Data Inventory DB
- Data Assessment workshops
- Data Inventory and Assessment Report
- Institutional Best Practice Assessment Report
- Needs Assessment and Requirements Analysis Report
- Program Design and Implementation Strategy
- LSDI Metadata Standard and Catalog
- National Project Data Assessment and Pilot Strategy
- Libyan Information Infrastructure Website and Geospatial Portal Specification

03/2002-04/2005	**Application Developer**, AL Menhaj GIS office, Tripoli-Libya. Private office, duties included:

- Data conversion (spatial).
- Application development.

04/2001-02/2002	**National Project Director**, Mapping National Resources for Agriculture use and Planning Project, Agriculture Research Center ARC, Tripoli-Libya. The project was sponsored by ARC and supported by the UN Food and Agriculture Organization (FAO)

In coordination with Chief Technical Advisor CTA I was responsible for the following activities:

- Performance of the day-to-day operational responsibility for the execution of all the project activities.
- Liaise between the Libyan Secretariat (including various participating institutions and departments) and the project.
- Provide guidance and supervision to project staff and consultants (both national and international).
- Preparation of detailed work plans for the project.
- Perform specific Technical work within my field of technical competence and in agreement with CTA.
- Assist the CTA in accomplishing the specific project tasks and implementing the work-plan;
- Ensure timely provision of local inputs to the project.
- Make all necessary local arrangements and provide logistics for various projects.
- Assist the CTA in designing the training program.
- Co-ordinate the arrangements for the local training programs, seminars and workshop;
- Assist CTA in selecting national experts and consultants to be recruited by the project.
- Assist CTA in selection, preparation of technical specifications and ordering the project equipment locally or from abroad.
- Assist CTA in preparing the project quarterly progress reports.

| 06/1986-08/1993 | **Computer Engineer**, Urban Planning Agency - the United Nations Center for Human Settlements UNCHS Project, Tripoli-Libya. |

- Building Settlement Database Management System "SDBMS" for Planned cities and settlement in Libya.
- Creating Census Database Management System, which includes the Census data for the years 1973,1984.
- Creating Planning Situation Databases System for all settlements in Libya.
- Managing the Computer Unit of the project and gradually upgrading the unit with the new technology.
- Training of the UNCHS, UPA, and UNDP Tripoli-Libya staff members in using computers.

| 09/1993-05/1995 | Conducting Graduate study at ITC, Netherlands. |

| 08/1995-12/2000 | **National GIS Expert and Director of UPA Information Office**. Rejoin the Urban Planning Agency - United Nations Center for Human Settlements UNCHS Project, Tripoli-Libya. |

- Director and member of UPA GIS committee responsible for defining the specifications for the GIS center in the UPA.
- Introducing GIS technology to the Urban Planning Agency (UPA).
- Conducted several seminars concerning the application of GIS and Remote Sensing in Urban Planning.
- Defining specifications for the first GIS unit in UPA.
- Following up UPA GIS unit purchase and installation.
- Participated in preparation of the National Perspective Plan NPPP 2000-2025.
- Involved in various committees:
  - 3rd Generation Planning Project 2000-2025 Committee.
  - Digital maps and Remote sensing images specifications committee.
  - Aerial photography project Committee for the west cost of Libya.
  - The committee for studying and assessing the project document proposal of the UNDP/UNCHS Habitat/UNOPS for the 3rd Generation Planning Project).

Skills and Experiences:

- Awarded a scholarship, Libyan Government for doctoral degree 2008-2012.
- Director of studies, Al Fateh University, Tripoli-Libya 2006-2008.
- Senior National Consultant, Libyan Spatial Data Infrastructure LSDI (2004-2008).
- National Project Director, Mapping National Resources for Agriculture use and Planning Project. Tripoli-Libya 2001-2002.
- National GIS expert, UNCHS 1995-2000.
- Director of Information Office UPA, Tripoli Libya 1995-1998.
- Experience using MS Office package.

- Working experience in the field of GIS application in Urban Planning 1995-2000.
- Awarded scholarship from the UNCHS for graduate study (MSc) 1993-1995.
- Working experience with the Urban Planning Agency 1986-2000.
- Awarded scholarship from Libyan Government to study PhD at University of Minnesota.
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Interests:

- Spatial Databases Infrastructure
- Volunteered Geographic Information
- Metadata taxonomy

Research:
- Co-author "A K-Main Routes Approach to Spatial Network Activity Summarization: **A Summary of Results**" published **Publication:**ICDMW '10: Proceedings of the 2010 IEEE International Conference on Data Mining WorkshopsDecember 2010 Pages 265–272https://doi.org/10.1109/ICDMW.2010.156

- A K-Main Routes Approach to Spatial Network Activity Summarization. **Published in:** IEEE Transactions on Knowledge and Data Engineering (Volume: 26, Issue: 6, June 2014)