



IMRAN IHSAN

FRONT-END DEVELOPER / UI DESIGNER

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PROFESSIONAL EXPERIENCE

02/2010 – TO DATE

Front End Lead Developer

Innovative Research Systems, Pakistan

- Developed UI for medical software for Sperm Count and Morphological Analysis.
- Created interface designs for integration into web applications.
- Designed flexible reports based on data from different modules.
- Consulted and documented UI best practices and code standards.
- Managed a team of 10 developers to meet quarterly deadlines.

05/2008 – TO DATE

Freelance UI/UX Consultant

Freelancer.com Profile {imranihsan}

- Designed & Developed Websites, Logos, Catalogs and marketing collateral.
- Integrated social media applications on web sites and blogs.
- Created HTML email templates and newsletters for e-mail marketing campaigns.
- Developed web-site mock-ups for clients before project development phase.
- Communicated directly with clients to establish project parameters.
- Created custom plugins, templates, and functions for WordPress based sites

05/2008 – 01/2010

Front End / UI Architect

ACES Pvt. Ltd., Pakistan

- Front End Web Development: JavaScript, jQuery, HTML and CSS.
- Tested front-end code in multiple browsers to ensure cross-browser compatibility.
- Consulted and documented UI best practices and code standards.
- Participated in projects in all stages of the product life cycle.
- Leveraged responsive web frameworks to consistently complete product deliverable

01/2002 – 05/2008

Senior Front End Engineer

Softech Services, Pakistan

- Front End Web Development and Cross Browser Compatibility: HTML, CSS, JavaScript
- Back End Web Development: PHP, ASP
- Print and Packaging Design: Illustrator, Photoshop, InDesign, CorelDraw,

09/2000 – 01/2002

Designer and Developer

Remote Silicon, Pakistan

- Front End Web Development and Cross Browser Compatibility: HTML, CSS, JavaScript
- Back End Web Development: PHP, ASP

08/1998 – 08/2000

Designer and Developer

Attract4U Pvt. Ltd., Pakistan

- Front End Web Development and Cross Browser Compatibility: HTML, CSS, JavaScript
- Multimedia Development: Macromedia Flash, Macromedia Director

SKILLS

2D Tools

- Adobe Fireworks
- Adobe Photoshop
- Adobe Illustrator
- Adobe InDesign
- CorelDraw

Tech Stack

- HTML 5 / XHTML
- CSS 3
- PHP / MySQL
- OOP
- JavaScript
- jQuery
- Bootstrap
- AngularJS
- MS Access
- MS SQL Server
- WordPress

User Experience

- Microsoft Visio

Programming

- C++
- R
- Java

Semantic Web

- XML / XML Schema
- XPath / xQuery
- RDF / RDFs
- SPARQL
- OWL

Languages

- English
- Urdu

TEACHING EXPERIENCE

08/2013 – TO DATE

Assistant Professor

Air University, Pakistan

- Teaching Under-Graduate Courses
- Supervising Under-Graduate Final Year Projects
- Member Scholarship Committee
- Member New Courses Development Committee.

05/2006 – 04/2008

Lecturer

Mohammad Ali Jinnah University, Pakistan

- Teaching Graduate / Under-Graduate Courses
- Supervising Under-Graduate Final Year Projects
- University Website Faculty Incharge
- Founding Member - Center for Distributed & Semantic Computing
- Member Arrangement Committee - IEEE INMIC 2006, Islamabad
- Member Arrangement Committee - IEEE ICEIS 2006, Islamabad

02/2003 – 01/2006

Lecturer

Hamdard University, Pakistan

- Teaching Under-Graduate Courses
- Supervising Under-Graduate Final Year Projects
- FYP Incharge

09/1996 – 06/1998

Lecturer

Petroman, Pakistan

- Teaching Professional Development Courses
- Develop New Courses for Professional Development

SUBJECTS

Under-Graduate

- Intro to Programming
- OOP
- Data Structures
- HCI
- Semantic Web
- Full Stack Development
- Computer Graphics

Graduate

- Multimedia Systems
- Multimedia Databases

Final Year Projects

- Citation Sentiment Analysis Tool
- Semantic E-Learning & Experience Tracking
- Online Bibliography Plugin for Websites
- WiFi Direct Based Android Game
- Multimedia based e-Learning Tool
- An XML Based PowerPoint

EDUCATION

2014 [In Progress]

Ph.D (CS), Semantic Web

Capital University of Science & Technology, Islamabad, Pakistan

2003 to 2005

MS(CS), Multimedia Communication

Mohammad Ali Jinnah University, Islamabad, Pakistan

1998 to 2000

MCS, Computer Science

Hamdard University, Islamabad, Pakistan

1992 to 1994

M.Sc., Physics

University of the Punjab, Lahore, Pakistan

1990 to 1992

B.Sc., Physics, Maths

University of the Punjab, Lahore, Pakistan

CERTIFICATIONS

2016

Full Stack Web Development

Hong Kong University of Science & Technology, Coursera

2016

Responsive Website Dev & Design

University of London, Coursera

2016

User Interface Design

University of Minnesota, Coursera

2015

Data Science Specialization

John Hopkins University, Coursera

2000

Microsoft Certified Professional

Implementing & Designing Databases using MS SQL Server

2000

Multiple Certifications

BrainBench

FUNDED PROJECTS

[1] ICT RnD Funded [17.5 Million] - Computer Aided Sperm Analysis

A commercial application that performs repeatable and accurate analysis of human spermatozoa by automatically finding each sperm and then tracking individual sperm to calculate its displacement accurate to the nearest micrometers using high speed cameras mounted on microscopes. The application is intended for over 250 fertility clinics only in UK, not to mention pathology labs. Dr. Tomlinson Matthews (Head of Andrology Department, Queens Medical Center, Nottingham, UK) collaborated and Dr. Matthews sent medical test equipment to Pakistan for testing and development worth around 8000 GBP already. Automated computer aided sperm analysis system validated properly in clinical trials. The clinical trials were held at University of Nottingham Hospital, University of Liverpool and University of Cambridge. [Visual Studio 2010, C#, Access, Unity, Wix, AForge library, Unibrain and PointGray camera SDKs]

[2] HEC Funded [6.3 Million] - Computer Aided Morphological Analysis

Developing a sperm morphology test which would not need cell fixation and staining, instead the sperm shape and size are automatically assessed on a fresh immobilized sample at multiple focus depths. This system accesses Head, Neck Piece and track the tail for abnormalities. When the technology is ready, validation trials will be undertaken to compare the results with current manual methods and by measurement of specimens which are used in assisted conception procedures e.g., in-vitro fertilization (IVF) and intrauterine insemination (IUI).

SOME INDUSTRY PROJECTS

- [1] **WDILL 1.0** Face recognition system
- [2] **Human Focus** Customized WooCommerce Plug-in
- [3] **PROMIS** Police Record Office Management Information System.
- [4] **ProPerPick** An Online Video Recording Wizard.
- [5] **2X2 Puzzle Game** 2x2 (two by two), a multiplication puzzle developed for Windows, MAC and Java Platforms.
- [6] **Real Estate Portal** A Completed Real Estate portal for Real Estate Agents
- [7] **eOffice Suite** A comprehensive Intranet and Desktop based Office Automation application developed using Content Engine of IBM FileNET with underlying Oracle as a database.
- [8] **eDocument** A complete and scalable Intranet based application for Office Automation and Integrated Management tool.
- [9] **eCapture** To streamline document capture and delivery process with direct, out of the box integration to multiple repositories from a single interface.
- [10] **eCorrespondance** To introduce a paperless environment that contributes to enhance customer services, as customers will no longer have to use hard copies for correspondence.
- [11] **eTraining** Training program with a step by step approach, to guide clients through the various components of e-Office Suit.
- [12] **eLibrary** An Intranet based Library Information System
- [13] **7TH BILLION** A Social Network Site
- [14] **BMPT** A Business Process Management Tool
- [15] **Oylube** A Complete Fuel Station Management System
- [16] **SAMS** Sales Analysis and Management System
- [17] **SchoolEdge** A School Management System
- [18] **Soft Gear** An Automobile Sale/Purchase Tracking System
- [19] **BusSoft** Ticketing System
- [20] **List Restaurant** A Restaurant Search Portal for England to search a particular restaurant according to different search criteria's such as cuisine, etc. and can book a table or order a home delivery online.

RESEARCH PUBLICATIONS

REFEREED JOURNAL ARTICLES [06]

- [1] **“Making MOOC Slides Semantically Accessible: A Semantic Content Generation Tool for PowerPoint Slides”**, Journal of Distance Education & Research (JDER) – Paper Accepted
- [2] **“SPoint – A Semantic Based e-Learning Content Development Tool”**, Journal of Applied Sciences 8(1), 2008. ISSN: 1812-5654. pp. 127 – 133. Indexed or abstracted by Web of science (ISI)
- [3] **“Generic Multimedia Database Architecture Based upon Semantic Libraries”**, Published in Informatica, Issue 18(4), 2007. An International Journal. ISSN: 0868 – 4952. Published by Institute of Mathematics and Informatics, Lithuanian Academy of Sciences, Lithuania. ISSN: 0868-4952, pp. 483-510, Indexed or abstracted by „Web of science (ISI) (SCI Impact factor: 0.90)
- [4] **“Moving from Problem Space to Solution Space”**, International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering, Vol: 6, pp. 36-39
- [5] **“A Generic Multimedia Database Architecture”**, International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering, Vol: 1, No:5 (2007), pp. 1535-1538
- [6] **“Mobile AdHoc Services Grid – MASGRID”**, International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering, Vol: 1, No:5 (2007), pp. 1535-1538

REFEREED PUBLICATIONS AT CONFERENCES [09]

- [1] **“Querying Semantically Related Items using modified 4-Index Scheme for XML Documents”**, IEEE 13th International Conference on Frontiers of Information Technology – FIT, Islamabad, Pakistan, December 14 – 16, 2015, pp. 47 – 52. DOI 10.1109/FIT.2015.20. Indexed by: IEEE Xplore
- [2] **“Semantic Indexing for XML Documents using RDBMS”**, The 6th International Conference on Information and Communication Technologies – ICT, Karachi, Pakistan, December 12 – 13, 2015, Vol 6. Indexed by: IEEE Xplore
- [3] **“Vector Shape Classification and Z indexing”**, IEEE Intl. Conference on Intelligent Network and Computing ICINC 2010, Kuala Lumpur, Malaysia, November 26 – 28, 2010, pp. V2-1 – V2-5. Indexed by: IEEE Xplore, Ei Compendex and Thomson ISI (ISTP).
- [4] **“A Survey of Text & Image-based Presentation Tools”**, International Conference on Intelligence and Information Technology (ICIIT 2010), Lahore, Pakistan, October 28-30, 2010, pp. 103 – 107. Indexed by: IEEE, IEEE Catalog Number: CFP1071K-PRT, ISBN: 978-1-4244-8138-5
- [5] **“UREKA Learning Object Taxonomy and Repository Architecture - ULTRA”**, The 10TH IEEE International Multi-topic Conference IEEE INMIC-06, Islamabad, Pakistan, December 23-24, 2006, pp. 231 – 236. Indexed by: IEEE
- [6] **“Generic Multimedia Database Architecture: Towards High-Level Semantic Retrieval”**. In proceedings of The 6th Information Business Management Association (USA:IBIMA) Conference on Managing Information in Digital Economy: Issues & Solutions (IBIMA“ 06), June 19 -21, 2006, Bonn, Germany. ISBN: 0-9753393-5-4. pp. 371 – 378
- [7] **“Semantically Meaningful Unit – SMU; An Openly Reusable Learning Object for UREKA Learning-Object Taxonomy & Repository Architecture – ULTRA”**, The 4TH ACS/IEEE International Conference on Computer Systems & Applications AICCSA-06, Sharja, UAE, March 8-11, 2006, ISBN: 1-4244-0211-5, pp. 1011 – 1018. Indexed by: IEEE Computer Society Press
- [8] **“Synchronized Integration of Learning Objects for UREKA Navigation and Integration Toolkit – UNIT”**, IEEE ICET (IEEE International Conference on Emerging Technologies) IEEE – ICET 05, Islamabad, Pakistan, September 17-18, 2005, ISBN: 0-7803-9247-7, pp. 525 – 529. Indexed or abstracted by: IEEE Computer Society Press
- [9] **“UREKA - Grid Enabled Educational Multimedia Database”**, The Seventeenth International Conference on Software Engineering and Knowledge Engineering SEKE'05, Taipei, Taiwan, Republic of China, July 14-16, 2005, pp. 485 – 490. Indexed or abstracted by: ISTP (ISI)



Imran Ihsan [20 July, 2017]