

Objective

Looking forward to pursue my career in a work environment that will utilize and reinforce my technical and research skills, and abilities and also to apply and gain new cutting edge skills and experience in a rapidly changing field.

Summary

- **Total 21+ Months of challenging experience in web development as a freelancer, using technologies like (PHP, JSP, ASP.Net, XHTML/CSS)**
- Substantial research experience in the field of computer science and software engineering.
- Experience of working in the complete software development life cycle involving design, development, documentation, testing and maintenance.
- Entrepreneurial spirit focused on bringing creative and unconventional solutions.
- Good work ethics with excellent communication and interpersonal skills.
- Capable to quickly learn and embrace new leading technologies.
- Ability to work well in both a team environment and individual environment.
- Ability to work under pressures and on time-critical projects.

Experience Summary**Total IT Experience: 21+Months**

- Total IT Experience in Web Development Industry.
- Experience in web technology (PHP, JSP, ASP, HTML/CSS, AJAX).
- Experience in application development with (C/C++, Java, VB.NET, and others)
- Also have a good experience in Visual Basic, and Video Games development that goes back to 10+ years.

Education

Degree	Year	Institute
MSc in Advanced Software Engineering with Merit	2014	Durham University
BSc in Computer Science	2011	King Saud University
GCSE (Scientific)	2004	Al-Imam AlJwaini High School

Certification

Pattern-Oriented Software Architectures: Programming Mobile Services for Android	2014	Vanderbilt University
Programming Mobile Applications for Android Handheld Systems	2014	University of Maryland
Programming Cloud Services for Android Handheld Systems	2014	Vanderbilt University
IELTS (Academic) 7.0 R: 7.0 L: 6.0 S: 7.5 W: 6.5	2012	British Council
6th Level English	2003	Al-Fadihla English

Research Background

- Carried out original research for my master's dissertation on a span of five months. The title of the dissertation was "Describcha: A Semantic CAPTCHA", under supervision of Dr. Stefan Dantchev.
- Worked on my bachelor project, a novel Image Encryption System on a span of 2 semesters, under the supervision of Prof. Ghazi Assassa.
- I did my 3 months summer training in KACST working on Wireless Sensor Networks. My work had an element of research and programming.
- **Research interests:** Cybersecurity, privacy, visualization, software dependability.

Technical Skills

Web Technologies	PHP, JSP, ASP.NET, HTML/XHTML, CSS, Ajax.
Programming Languages	C/C++, Java, VB6, VB.Net/C#, nesC, Python.
Databases	MySQL, MS-SQL Server 200x.
Graphics Design & Media	Photoshop, 3ds Max, After Effects, Premiere, iMovie, and most major GFX and media tools.
Operating Systems	Windows, Linux, Mac.
Hardware Exposure	System Integrating, Advanced Trouble Shooting, Basic Network Configuration.

Work Experience

- Worked as lead developer in our startup company Consumer Voice Ltd. In web and mobile apps development.
From October 2011, till March 2012.
- Working as freelance web developer, where I worked on various projects using different web technologies.
From early 2010, till date.
- Worked as a trainee system developer for wireless sensor networks in King Abdulaziz City for Science And Technology (KACST)
From July 2009 To September 2009.
- Worked as salesman and computer technician in Madinah Gate, a computer store.
Sometime in 2003, for a two months period.
- Worked as a cashier in the Arabian Supermarket Chain (Sarawat) in Madinah.
For the summers of 2000-2002.

Achievements

- Won 3rd place in Startup Weekend Riyadh for our project Consumer Voice, and received 4 sponsorship offers.
October 2011.
- Received an honoring certificate for designing our high school's website,
The year 2004.
- Joined the first talented students' school in Medina for writing a computer game, and was honored to demonstrate it to HRH King Abdullah at the opening.
The year 2001.

Selected Projects

Consumer Voice	
Environment	PHP, HTML, CSS, AJAX.
Database	MySql
Role	Lead Developer
Team Size	3
Responsibilities	Involved in Development, UI Design , DB Design
Description: Consumer Voice is a social-network-oriented service that enables users to take pictures of defected or low quality products or services, and post them on a website where they can share their complaints with others. It's a web based and mobile based service that is heavily integrated with current social networks.	

RiyadhPalace.com	
Environment	PHP, HTML, CSS and jQuery.
Database	None.
Role	Web Developer
Team Size	2
Responsibilities	Involved in Development and UI Design.

Academic Projects

Describcha: A Semantic CAPTCHA (MSc Project)	
Environment	PHP
Database	MySql
Role	Researcher, designer, and programmer
Responsibilities	Involved in development, writing algorithms, and benchmarking.
Description: Describcha is a new proposed type of CAPTCHA systems based on the recognition of the semantics in images or videos. Traditional CAPTCHA systems use distorted characters for their tests. This poses a problem in usability where users are having trouble to recognize the distorted characters. Describcha uses images of semantic values (eg. a dog chasing a ball) and uses an algorithm that can rate pass/fail tests based on how close a user can give a description to that image or video.	

Image Encryption System (BSc graduation Project)	
Environment	Java
Database	None
Role	Team Member (of 2)
Responsibilities	Involved in development, writing algorithms, and benchmarking.
Description: A system that enables fast and highly secure encryption and decryption of images based on a novel pixel encryption algorithm.	

WebCam	
Environment	Java, RMI
Database	None
Role	Developer
Responsibilities	Involved in development
Description: A distributed system that enables users to share and control a public webcam, where every user gets a limited time to control and view the camera. All implemented in a distributed approach using Java's Remote Method Invocation.	

Web Crawler	
Environment	PHP, HTML, CSS, Ajax
Database	MySQL
Role	Developer
Responsibilities	DB design and web development
Description: A web crawler that collects information from certain websites then stores them in a database for selective viewing later.	

Personal Information:	
Name	Hamad Saleh Alhadyan
Nationality	Saudi Arabian
Languages Known	Arabic (Native), English (Excellent in reading and writing, fluent speaker).
Marital Status	Single
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Website	http://faculty.mu.edu.sa/halhadyan/
Interests	Film, animation, music creation, poetry, world cultures, anthropology, science and philosophy.
Hobbies	Culinary arts
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