Mahmoud Awad
Ph.D, Eng, Bsc

Software Engineer
UI Developer (React)
Full Stack Web Developer
Games Developer

Contact Details
mahmoud@mosaicsmartdata.com
awad@talaween.net
eng.awad@yahoo.com

Mobile: +447918713367
Skype: oudeh99

Linkedin Profile:
(http://uk.linkedin.com/in/awad99)

Portfolio Website
https://awad.talaween.net

Personal Details:
DOB: 17/02/1982
Gender: Male
Marital status: Married

Current Home Address
78 Druid Road
CV2 4AT
Coventry, United Kingdom

Summary

A strong conceptual thinker who has a keen interest in all things related to the Internet, has the ability and experience needed to design and execute complex software projects for a diverse variety of users. Has a good understanding of programming languages, continually evaluating and upgrading his skills so that he stays at the cutting edge of web development, can come up with plenty of innovative ideas and possesses superb communication skills. currently, he is looking for a suitable position with a company that offers a unique work environment within which its staff can thrive and grow.
Why should you hire me?

✓ React.JS ✓ Redux ✓ Styled Components ✓ Node.JS ✓ MongoDB ✓ mySQL ✓ GIT ✓ JavaScript (ES5 & ES6) ✓ RESTful APIs ✓ Bootstrap ✓ Unit Testing (Jest + Enzyme) ✓ Integration Testing (Cypress) ✓ Webpack ✓ TypeScript ✓ Haxe ✓ OpenFL ✓ Unity3D ✓ 5+ years' experience as web & games developer ✓ Agile methodologies ✓ User Experience (UX) ✓ SEO ✓ Writing clean & documented code ✓ Code Review ✓ Good communication skills ✓ Paying attention to details ✓ Teamwork ✓ Teamwork ✓ Teamwork ✓ Teamwork ✓ Teamwork ✓ Teamwork

Please visit my Portfolio at: https://awad.talaween.net

Work Experience

Software Engineer

Mosaic Smart Data

Full-time: May 2021 – present (5 months) • London, United Kingdom

Duties:
- Develop Software using modern web technologies (React, Redux, TypeScript, Jest, Enzyme, and Cypress) according to the planned UX designs and the set specifications to meet the corporate vision.
- Investigating, diagnosing, and correcting system issues.
- Testing software in controlled, real situations before it goes live.
- Resolving technical issues faced by other team members.
- Writing and executing tests using Jest, Enzyme, Cypress and cucumber for subsystems and components.
- Gathering & analysing information about stories, sub-tasks, bugs, system usage and implemented features.
- Working alongside wider operational teams including UX designers, backend developers, system analysts, and product owners to achieve set goals.
- Documenting all work in accordance with agreed standards.
- Participating in daily scrum meetings.
- Reviewing code and code pairing with other team members when necessary
- Improve workflow by bringing new technologies and applying them to increase productivity and reduce development time.

Software Engineer

Sainsbury's **Sainsburys Tech**

Full-time: March 2020 – May 2021 (1 year 2 months) • Milton Keynes, United Kingdom

Duties:

- Develop Software using modern web technologies (React, Redux, TypeScript, Jest, Enzyme, and Cypress) according to the planned UX designs and the set specifications to meet the corporate vision.
- Investigating, diagnosing, and correcting system issues.
- Testing software in controlled, real situations before it goes live.
- Resolving technical issues faced by other team members.
- Writing and executing tests using Jest, Enzyme, Cypress and cucumber for subsystems and components.
- Gathering & analysing information about stories, sub-tasks, bugs, system usage and implemented features.
- Working alongside wider operational teams including UX designers, backend developers, system analysts, and product owners to achieve set goals.
- Documenting all work in accordance with agreed standards.
- Participating in daily scrum meetings.
- Reviewing code and code pairing with other team members when necessary
- Improve workflow by bringing new technologies and applying them to increase productivity and reduce development time.

Freelance Web Full stack and Games Developer

Part-Time: Jan 2012 – Oct 2019 (7 years)

Duties:

- Designing, developing, and testing various web and games projects for various clients
- Developing websites, RESTful APIs, and web applications using the following technologies: React.JS, Redux, Ant-Design, Bootstrap, Node.JS, MySQL, Haxe/PHP, wordpress, Joomla, and Shopify
- Developing 2D and 3D Games for the Web and Mobile platforms using the following technologies: Unity3D, HaxeFlixel and OpenFL.
- Developing and publishing open source projects: Grant, a Role-based Access control library for Haxe.
- Communicate and arrange work with other freelance professionals to complete the assigned projects
- Provide technical support for the clients to efficiently use their projects
- Writing documentation and report
- Writing proposals and business plans

Selected Projects developed as Freelance Web and Games Developer:

Etqan API web Interface	Bacteria A Mobile Game	Semsem An Educational Games Portal	Mastic Inventory System

Prof.Cathy Craig

Dean of Postgraduate School, Queens University of Belfast, United Kingdom

+44 (0)28 9097 5482
cathy.craig@qub.ac.uk

Mr.Peter Every

Course Director of Multimedia Computing at Faculty of Engineering Environment and Computing Coventry University

+44 (0) 24 7765 8888
csx241@coventry.ac.uk

Mr.Richard Lane

Senior Lecturer in Institute of Coding, Coventry University, United Kingdom

+44 (0) 24 7765 8888
aa9532@coventry.ac.uk

Dr.Maurice Hendrix

Lecturer in Software Development, Faculty of Engineering Environment and Computing, Coventry University

+44 (0) 24 7765 8888
ab0776@coventry.ac.uk

Lecturer in Software Development

Coventry University

Full-time: October 2014 – March 2020 (5 years and 6 months) • Coventry, United Kingdom

Duties:

- Developing curriculum, teaching materials, assignments, activities, and delivering lectures and tutorials.
- Teaching the following modules: Web Full Stack Development, Advanced Digital Media Technologies, and Games Design.
- Supervising students' projects at undergraduate and postgraduate levels.
- Participating in Applied Research and Enterprise projects.
- Developing innovative learning tools to enhance the School learning technology and engage students with learning.
- Developing and maintaining the functionality of websites
- Designing prototypes for apps and websites for School activities, research and enterprise projects.
- Carrying out tasks related to full software development life cycle.

Selected Software Projects developed at Coventry University:

ORBEET Web Portal	Tempo Web Application to track project progress	Oktob a Web Blog developed in React	Research Project: Etqan API Maker

Research Intern

Microsoft Research Cambridge

Full-time: June 2012 - September 2012 (3 months) • Cambridge – United Kingdom

Duties:

- Summer internship at Microsoft Research Centre in Cambridge.
- Research subject is in Human Computer Interaction at the Socio-Digital research group.

Lecturer in Computer Science and Multimedia

Hebron University

Full-time: September 2009 - September 2011 (2 years) • Hebron - Palestine

Duties:

- Lecturer at Computer Science and Multimedia Department
- Taught modules are: Digital Media Production, Introduction to Programming, Algorithms Design and Analysis, Internet Programming.

Multimedia Lab Supervisor

Hebron University

Full-time: September 2006 - August 2007 (1 year) • Hebron - Palestine

Duties:

Supervising the Multimedia Lab, support students learning, administrating the lab network and maintaining the equipment.

Education

Queens University of Belfast – United Kingdom
Doctorate (PhD)

Full-time: October 2011 - September 2014

PhD thesis title: "**Microsoft AGE: Adapted Games for Elderly**"
Subjects: Game Design and Development, Human Computer Interaction.
Research is funded by a Microsoft PhD Scholarship

Universität Bremen - Germany
Master Degree in Digital Media.

Full-time: September 2007 – August 2009

Master Thesis: "**Multimedia E-Assessment**"
Main Subjects: GUI Design, Digital Video Production, Game Design, Human Computer Interaction.

Palestine Polytechnic University - Palestine
Bachelor Degree in Computer Systems Engineering

Full-time: September 2001 – June 2006

Graduation Project: "**Multiplayer 3D game over local network**"
Subject Learnt: Data Structure, Algorithms, Web Programming, Computer Graphics, Visual Programming, Computer Networks, Operating systems.

Coventry University – United Kingdom
Postgraduate Certificate in Higher Education

Part-time: January 2015 – December2016

A course focusing on excellence of learning experiences in contemporary Higher Education. It also supports to develop professional knowledge, applications and skills to create opportunities for innovation.

Publications & Conferences

User as a Super Admin: Giving the End-Users Full Control to Manage Access to Their Data in Social Media Networks, Awad *et al*, ISEEIE 2021: 2021 International Symposium on Electrical, Electronics and Information Engineering, February 2021

Semsem-DEV: A framework to develop and evaluate educational games mechanics, Awad et al, 12th European Conference on Games Based Learning, France, 2018

Players' Performance in Cross Generational Game Playing, Awad and Craig, Lecture Notes in Computer Science Series, Volume 10622, Springer 2017

Developing Gamified Elements to Influence Positive Behavioural Change towards Organisational Energy Efficiency. O'Connor et al, 11th European Conference on Games Based Learning, 2017, Austria

Designing Games for Older Adults: An affordance-based approach, 3rd International Conference on Serious Games and Application in Health 2014, Brazil.

Microsoft AGE: Adapted Games for the Elderly, Awad and Craig, INTERACT 2013 Conference, Doctoral Consortium, Cape Town, South Africa.

Intelligent Interaction, Awad et al, SIDeR 2009 - Flirting with the Future Conference, April 2009 Eindhoven.

Heuristics for Designing Movement based Games for Older Adults, Awad and Craig, In Press

Other Certifications

Video Games and Learning – Online Course

Corsera.Org

December 2013

German Language Level B Certificate

Carl Duisberg Centre, Dortmund, Germany

September 2007

Web Page Design Course Certificate

Al Munefia University, Shibeen Al-kum - Egypt

July 2004

Professional Memberships & Awards

- Fellow member of British Higher Education Academy, Recognition Ref Number: PR127317
- DAAD Scholarship

  A full scholarship offered by German Academic Service to undertake master study at a German academic institution. Date of Award June 2007.
- Microsoft PhD Scholarship

  A Prestigious scholarship to undertake a research degree at a British academic institution, Date of Award: August 2011