



Khaled Kadoura, MSc

Software Engineer

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Experience Software Engineer specializing in Frontend development, empowered with a love to deliver a customer-oriented UI/UX. Passionate about Software testing, automation and DevOps. Driven by challenge and collaboration, because a successful product is a result of an effective team.

SELECTED HIGHLIGHTS

- Built microservices integrated with aws to provide authentication and authorization services for SaaS solution.
- Designed and developed tens of websites using many frontend and backend libraries/frameworks as well as various Content Management Systems.
- Developed a data-driven responsive website for Qatar University's revamping UX, content visibility, search engine optimization and accessibility metrics.
- Designed a Corporate Mobile Learning Android app, providing the overall interface design and conducting usability studies.

EDUCATION

Qatar University, Doha, Qatar: 2017

Master of Science in Computing – Information Systems

Thesis: Queueing theory-based Kubernetes AutoScaler

Developed a Node.js based AutoScaler that deploys as a Docker container on a Kubernetes Cloud. The scaler predicts service load and scale the infrastructure accordingly.

Qatar University, Doha, Qatar: 2013

Bachelor of Science – Computer Science and Engineering

Graduation Project: Android App optimizing SAP for VOIP group call, and event scheduling

- Honours/Awards: Dean's List for Academic Excellence – four-time recipient; Best Senior Graduation Project – Second Place

PROFESSIONAL EXPERIENCE

Software Engineer

Architrave GmbH 2019 – Present

Frontend-specialist in T-shaped scrum teams, delivering PropTech SaaS solution on the cloud, new frontend application, and maintaining legacy.

- Worked with team on architecting and building Next-Generation Product into microservices deployable on AWS cloud.
- Collaborated on building a new React mobile-first webapp, enabling accessibility on the go; setting the ground work for Next-Generation products.
- Delivered features, and tackled technical debt of the legacy application, significantly boosting overall performance and total user-experience.
- Improved test-coverage, by providing unit, integration and system tests; empowering automation to provide a faster and more reliable CI/CD.

Senior Digital Communications Specialist

Qatar University 2018 – 2019

A full-stack developer leading the development of new websites and internal web systems. Tackling web accessibility, SEO and UX improvements.

- Adapted responsive design for adaptability across multiple platforms and cross-browser compatibility, catering for a 20% increase of mobile visitors.

CORE COMPETENCIES

- Frontend Development
- Backend Development
- Unit/Integration Testing
- Software Architecture
- User-Interface Wireframing & Design
- Agile/Scrum Development
- Web Accessibility Optimization
- Search Engine Optimization

FRONT-END SKILLS

React	Redux
TypeScript	jQuery
Backbone	CSS/SCSS
Bootstrap	Material UI
Jest	React Testing Library
Enzyme	GraphQL
Webpack	NPM
Photoshop	Adobe XD

BACK-END SKILLS

PHP	CodeIgniter
Zend	Doctrine
PHPUnit	NodeJS
MySQL	MongoDB

OTHER SKILLS/TOOLS

AWS	Docker
Git	GitHub Actions
Illustrator	Selenium/Robot
GitHub/Lab	Jira/Confluence

LANGUAGES

English: Proficient
 German: Beginner
 Arabic: Native

Professional Experience, Continued

- Redesign over 100 pages on the University's website to enhance user experience and overall design, assisted by google analytics and other tools.
- Devise development best-practices and industry-standard technical guidelines, leading to an organic increase in search engines ranking and enhanced accessibility metrics.
- Developed an organization-wide task and workflow management system, facilitating communication between departments, tickets monitoring and work-load reporting.

Web Designer

Qatar University 2013 – 2018

- Practice full life-cycle management, developing over 40 user-centric websites from backend to frontend, meeting the latest web standards and saving the university over \$60K USD in design and development cost.
- Developed digital solutions that integrates with the in-house content management system, allowing advanced data types, and improving content management workflows.
- Establish and migrate the University's website to a new Enterprise CMS, by creating content-driven customizations, templates, components and reinforcing HTML semantic standards.

Research Assistant

Qatar University 2013 – 2015

Participated in research that focused on merging mobile learning with developing technology, which received funding from QNRF in cooperation with Qatar and Athabasca Universities.

- Utilized WordPress to create a website template, and provided detailed training to team members for content creation.
- Collaborated with team members to design a Corporate Mobile Learning Android mobile application, providing the overall interface design concept.

Graphic Designer / Web Designer

Qatar University 2010 – 2013

- Designed content for digital channels, including web banners, advertisements, and logos.
- Conceptualized designs for more than 50 calendars and newsletters, in addition to marketing collateral for digital and print campaigns such as posters, books, brochures, flyers, and street ads.

Web Developer and Designer

Freelancer 2009 – 2019

- Communicated with clients to determine project scope, identify budgets and project timelines, and delivered results that exceeded expectations.
- Employed the latest technical skills to design and launch web-based apps, and over 20 websites across different development environments.
- Built a custom Content Management System that caters for the specific needs of a client, simplifying content creation and modification tasks for novice customers.
- Developed templates and customized Open-Source Content Management Systems such as WordPress, Joomla, Drupal and Shopify to the specific needs of clients.

AWARDS / CERTIFICATIONS

Testing in React - GitNation:2019

Web Accessibility Standards – Mada:2017

New Forms of Digital Storytelling – General Editors Lab, Istanbul – First Place

New Forms of Digital Storytelling – Global Editors Network, Barcelona - Nominee