Houssem Marzougui

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Summary – Results-driven, self-motivated and hard-working **Frontend web developer** with 10 years of work experience seeking a full-time position in an engineering and professional innovation environment which offers key participation, team-oriented tasks, immediate challenges, and career opportunity.

Professional Attributes

- Fast learner with a strong desire to master new concepts and technologies.
- Have an interest in crafting efficient and scalable modern software solutions.
- Exceptional interpersonal and collaboration skills.
- Strong capacity to work under stress and time constraint.
- Strong leadership and management background.

Skills

- HTML5, CSS3, Material UI, Bootstrap
- JavaScript (ES6), Python
- React.js, Next.js, Redux
- MongoDB, MySQL, Strapi
- Node.js, Express.js, EJS

- Jest, Enzyme, Mocha, Chai testing
- Version Control (Git), GitHub
- Heroku, Netlify, Firebase and Vercel deployment
- REST API, Postman, Docker (basic), Bash
- OOP, Data Structures and Algorithms

Education

Master of Science in Electrical and Computer Engineering
2017-2020
University of Victoria 📍 Victoria, BC, Canada

Bachelor of Science in Electrical Engineering
2007-2011
United States Naval Academy 📍 Annapolis, MD, USA

Experience

❖ Frontend Developer
Freelance
10/2020 – Present

Developed and designed several client and personal client-side static pages and full stack web applications:
- Portfolio: Personal website built with *React.js and Material-Ui* and features most projects built to date.
- MCTA: A tutoring website built with *JavaScript and Bootstrap* that offers students different tutoring methods with an onsite PayPal payment option.
- Digi-Thrifting: A *MERN* e-commerce application that offers a collection of electronics with cheap prices: We guarantee the best prices on the market!
- Devcamper: A backend API built with *Express.js and MongoDB* to manage coding bootcamps, courses, reviews, users and authentication.
- DJ-Events: Full-Stack website built with *Next.js and MySQL* that allows users to check on upcoming DJ events uploaded by authenticated users.
- CodeFever: Personal Blog built with *Next.js and Tailwind* that features all the programming and tech tools I am most passionate about.
- GameDB: A gaming application built with *React.js, Styled Components and Framer Motion* that displays all you need to know about existent and upcoming video games.
- Chat-with-React: A chat application built with *React.js, Node.js and Socket.io* that enables room users to group chat.

❖ Remote Moderator

OneClass| ⦿ Toronto, ON, Canada
08/2018 – Present

- Supervise and moderate platform educators to ensure highest quality service to students in North America.
- Engage undergraduate students across Canada and the U.S understand their math, computer science, and engineering learning objectives through extensive project assignments.

❖ Technical Analyst

Deloitte| ⦿ Kitchener, ON, Canada
01/2019 – 11/2019

- Produced and partially managed Scientific Research and Experimental Development (SR&ED) technical reports for clients in many industries including TMT and Manufacturing in English and French in a rapid and challenging work environment.
- Discussed and studied clients full design engineering projects to determine their innovation levels and SR&ED eligibility.

❖ Research and Teaching Assistant

University of Victoria| ⦿ Victoria, BC, Canada
09/2017 – 04/2020

- Implemented and simulated medical ultrasound imaging algorithms in Matlab using adaptive and conventional plane wave compounding techniques that reduced computational complexity and maintained similar image quality.

❖ Software Engineer

The Naval Electronics Division| ⦿ Tunis, Tunisia
02/2016 – 02/2017

- Developed a technical report and messaging application to help mechanical engineers on warships get instant feedback on different mechanical and electrical complicated issues – built with JS, Node.js, Socket.io and MongoDB.
- Developed a web application that allows logistics officers instant material purchase and stock availability check – built with React.js, Node.js and PostgreSQL.

❖ Communications Officer

Tunisian Navy| ⦿ Tunis, Tunisia
06/2011 – 01/2016

- Developed and supervised maintenance planning for all transmission Radio equipment onboard naval units to ensure full operational status of different communication systems.
- Developed and conducted training sessions for communication team members.

Publications

- H. Marzougui and D. Rakhmatov, "*Data-Driven Sensor Array Subsampling for Plane-Wave Ultrasound Imaging*," 2019 IEEE International Ultrasonics Symposium (IUS), Glasgow, United Kingdom, 2019, pp. 2337-2340, doi: 10.1109/ULTSYM.2019.8925560.

Interests

- Technology, hiking, cooking, crypto mining, health and wellness

Languages

- English (Fluent) - French (Fluent) - Arabic (Native)

References

- Amy San Miguel, Team Leader and Tax Manager, Gi3, Deloitte, 519-650-7820, asanmiguel@deloitte.ca
- Dr. Daler Rakhmatov, Graduate Supervisor, University of Victoria, 250-472-5214, daler@ece.uvic.ca