

KHALED AL-AMOODI

Full Stack Software Engineer

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Technical and creative **software engineer** skilled in **full stack web development**. Can quickly learn and apply **cutting-edge technologies**, **UX principles** and **APIs** to craft rich user experiences. **Skills include:**

- Full Stack Web Dev.
- JavaScript
- HTML and CSS/SCSS
- React.js
- Gatsby.js
- Node.js
- Express.js
- UI/UX Design
- Bootstrap
- REST APIs
- Git/GitHub
- NoSQL (MongoDB)
- Figma/Adobe XD
- Prioritization
- Written/Verbal Communication

EXPERIENCE

APPLICATION DEVELOPER | INTERNSHIP
EWORKX TECHNOLOGY | EDMONTON, CANADA

FEB 2021 – APR 2021

Recruited as part of a new team of three software engineers to research, design, and build a multi-platform eCommerce integrator web application. Work included familiarizing with several APIs and designing/building the **front end**.

Key Contributions:

- Collaborated with other developers to design **over 20** intuitive and visually consistent wireframes using **Figma**.
- Developed a major page and **5** components (one used on **4 of 5** pages) using **React.js**, **CSS** and **Bootstrap**.
- Streamlined future **back end** development using a matrix to easily compare fields in different eCommerce APIs.

FULL-STACK SOFTWARE DEVELOPER | PERSONAL PROJECT
SWFTLI.ME | EDMONTON, CANADA

DEC 2020 – APR 2021

swftli.me is a social media reference landing page (of which LinkTree and Carrd.co are examples). You can personalize your page, set your social media accounts, and create cards to redirect to your links.

Key Contributions:

- Designed the application, keeping in mind **UI and UX principles** for a seamless experience, using **Adobe XD**.
- Developed the **front end**, including routing using **React.js** and the **back end API** using **Node.js** & **Express.js**.
- Implemented authentication using Passport.js, database using **MongoDB**, and image storage using Cloudinary.
- Incorporated a TensorFlow.js machine learning model to filter user-uploaded images.

EDUCATION

PHD IN COMPUTER ENGINEERING | GPA: 4.0/4.0
UNIVERSITY OF ALBERTA | EDMONTON, CANADA

JUL 2014 – JUN 2021

Thesis: SIW System and mmWave IC as Approaches for Beamsteering in 5G Mobile Devices

Key Contributions:

- Prepared and published **3** peer-reviewed papers (with **9 citations**) and presented at a conference.
- Reduced prototype testing time by **> 8 hours** by automation through **software** interfacing with equipment.
- Mentored **2** junior researchers, including teaching how to use equipment and how to use/access tools.
- Updated a Technology Strategy Engineer and a Director of TELUS Comm., the industry partner, on progress.

MSc IN COMPUTER ENGINEERING | GPA: 3.9/4.0
UNIVERSITY OF ALBERTA | EDMONTON, CANADA

JUL 2013 – JUN 2014

BSc IN ELECTRICAL ENGINEERING (NANOENGINEERING) | GPA: 3.9/4.0
UNIVERSITY OF ALBERTA | EDMONTON, CANADA

SEP 2009 – JUN 2013

ACCOMPLISHMENTS

- Selected as one of **50 from 500 applicants** for a Government-funded professional development program.
- Received **13 scholarships** throughout post-secondary education based on academic and research criteria.
- Coordinated, alongside 2 organizers, with **2 speakers** on an **8-week** Toastmasters program for **13 youth leaders**.