

# Sulaiman Hamouda

[hamouda.sulaiman@gmail.com](mailto:hamouda.sulaiman@gmail.com) • Miami, FL • <https://sulaimanhamouda.com>

## EDUCATION:

**Department of Computer Science, University of Central Florida**  
Bachelor of Science in Computer Science (3.5 GPA)

Orlando, FL  
December 2019

## SKILLS:

<b>Programming Languages</b>	JavaScript, Java, HTML5, CSS3
<b>Application Development</b>	React.js, Next.js, Redux, Tailwindcss, Styled Components, Figma, Firebase, Sass, Node.js
<b>Databases</b>	MongoDB, MySQL
<b>Mathematical Skills</b>	Calculus I/II/III, Differential Equations, Statistical Methods

## WORK EXPERIENCE:

### NextEra Energy Software Engineer

Jan. 2020 – Present

- Working on developing Energy Analyzer for fpl.com. A web application which will allow customers to view and monitor their energy consumption. Customers are also able to simulate what their monthly bill could look like via the Energy Analyzer Simulator. This will help users lower their monthly bill by lowering their energy consumption.
- I am part of the front end team utilizing React and Redux. Designed and developed new components. I increased developer productivity by optimizing code reuse through creating a library of reusable components. Utilized Figma to wireframe and prototype applications.

### LSQ Software Engineer Intern

May. 2019 – Dec. 2019

- Worked on developing LSQ's new credit engine. Utilized technologies such as Java 8 and AWS. Primarily focused on a modular design in order to make it more maintainable and easier to add new features.
- Worked with AWS to perform tasks such as switching to an immutable database design. Worked with Amazon Kinesis, Lambda functions and Cloudformation.

## PROJECTS:

### Personal Blog <https://sulaimanhamouda.com>

January. 2021 – Present

- My personal blog where I write about technology, advice for students, and my experiences from work and school.
- The technologies I used to build my blog are React.js, Next.js, React Query, Tailwindcss, MDX for writing JSX in my markdown documents, Next-mdx-remote for rendering my MDX content, Firebase authentication for handling admin tasks directly on my blog, Telegram for handling admin tasks and receiving notifications on new comments and new subscribers to my newsletter, and Mailchimp for my newsletter.

### Nabda <https://nabda.io>

January. 2021 – Present

- An online course which is meant for teaching people the language of Arabic. There are tons of Arabic online courses, however, they do not provide many features that help their users study effectively. Also, the technology behind these websites is old, filled with bugs, and are slow. I am building an online platform which will focus on helping users learn more effectively by not only watching lectures, but getting them involved by playing mini games and testing their knowledge throughout the entire course. I am working on building the site and preparing course content, while my partner works on primarily creating the course content.
- Technologies being utilized: React.js, Next.js, React Query, Tailwindcss, Stripe in order to handle payments, MDX for course blog, Firebase authentication, Firestore for the database, Vimeo for hosting and protecting course videos, and Vercel for deployment of site.

### DevsHub <https://devshub.vercel.app>

June. 2020 – Present

- Developing a web application which will help developers find more opportunities. Developers are able to find teams, projects, and challenges which other developers can post. They are able to sort projects based on complexity and technologies used. This will help developers build their portfolio, better their skills, and impress employers. I am using React.js, Firebase, and Styled Components.

### Photo Selection: A Deep Learning Approach

Jan. 2019 – Dec. 2019

- Designed and built an application which selects 20% of the best photos from a directory. The model was first trained on a large dataset of images which are ranked from 1-10 based on their aesthetic features, this is considered the general model. The user can then have the opportunity to train the model by providing input, this is considered the personal model. It is able to learn the users future preferences. This will especially be useful for people like event photographers.

### Chew Crew <https://chewcrewapp.herokuapp.com>

Apr. 2019 – May 2019

- Chew Crew is an online potluck event planner. Utilized MongoDB, Node.js, Express.js, JavaScript, HTML and CSS.
- Users are able to view and manage potlucks created by you and your friends. Users are able to tag dishes for ingredients, request dishes for a certain event, search through events, and share dishes and ingredients with friends.