# About me

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Business and Development School 3A

Bachelor of Computer Science| September 2008 - May 2011

- Bachelor of Computer Science, Additional Major in Management

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# About Company

#### **About Stakelogic**

Stakelogic is one of the fastest-growing game suppliers in the online gaming industry, serving 500+ online casino’s worldwide with a game portfolio of 100+ games. Stakelogic employs over 120 staff and has offices in Ukraine, Serbia, The Netherlands, Malta and Isle of Man.

On Friday 16 July 2021 Stakelogic was rewarded as the Best Innovative Product Company, as well as the Best Casino Provider and Best Career Builder in Gaming in Malta. Stakelogic is considered to be one of the rising stars of the online casino industry.

**Company website:**

[https://www.stakelogic.com](https://www.stakelogic.com/)

**DOU company page:**

[https://jobs.dou.ua/companies/stakelogic/](https://jobs.dou.ua/companies/stakelogic/?from=djinni_job)

# About Job

Role: **React Developer**

Stakelogic is all about innovation and revolutionizing the online gaming industry. Our highly animated, intensely graphic slot games represent the most advanced games available in the market.

Responsibilities:

• Creating new SKD for live casino (based on React) from scratch

• Developing and maintaining live games, supporting them on the post-production cycle

• Assist in internal and external technical integrations

Main skills:

• 4+ years of experience with JavaScript

• 2+ years of experience with React and Redux

• Experience with Git

• Excellent soft-skills: we are looking for goal-oriented, responsible, communicative person

• Intermediate+ English

Bonus skills:

• CSS preprocessors, TypeScript, WebSockets, OOP

• Creating project from scratch

• Experience in casino game development area

What does Stakelogic offer you:

• Flexible working schedule

• Professional growth

• Creative, challenging and fast-growing iGaming products

# Interview Direction

## About me

First of all, thank you for giving me this opportunity to introduce myself.

My name is Alexis Colin. I was born on September 7 th 1991 in HongKong.

When I was 9 years old, I moved to France with my family.

As far as my education qualification is concerned, I have done Bachelor of computer science with computer science from Business and Development School 3A in France, in the year of 2011.

As far as concerned my family, I belong to a middle-class family. My father is a Businessman, and my Mother is a homemaker. My brother is preparing for civil services.

I am good at programming languages C, C++, and Javascript and especially very much interested in React and blockchain technology.

My strength is self-confidence, positive attitude, hard work.

My hobbies are: Watching news channels, Playing volleyball, Listening to music.

## Experience

As you saw my resume, my development career has started as a UI/UX designer.

It was a really important and useful experience of my entire career.

There, I was responsible for graphic and UI/UX design as analyzing clients requirements and

I was hired by Webincorp company in Qatar as UI/UX designer, and have worked for 5 months.

After that, I have worked in many international companies as many roles i.e. Web Designer, Front-end Web Developer, Full Stack web developer and senior react developer mainly in remote.

So eventually, I have become a senior React engineer who has 8+ years experience of web development and 6+ years of react development and 4+ years of react native development.

I love React because of its extra simplicity and flexibility.

Until now, I have developed with most of the React and React Native frameworks.

* React.js

As UI framework, Material UI and ant design and shards react and Onsen UI and so on.

As a static-site generation framework, Next.js and Gatsby.js.

As a state management framework, redux more exactly redux-thunk, redux-saga, redux-promise and redux-slice.

And also I have ever used most of the React.js core technologies i.e. hook and context and react router and anyway you name it.

And also have experience of using GraphQL as a trending query language.

Most importantly, my latest role is senior blockchain developer.

Now, blockchain has been gaining so much popularity for a few years.

About 3 years ago, I was interested in trending blockchain technology and single-handedly trained and trained and applied for Singapore company to test me.

Eventually, I have passed the test and became a blockchain developer at that company.

There, I have developed many blockchain projects integrating React.js library i.e. NFT marketplace and Defi project and so on.

So I think my experience in blockchain is also useful for your company.

Once the opportunity arises, I will never miss it.

This is not my pride, I just told my experience.

Thanks for listening to my explanation.

Before applying, I have researched your job requirements enoughly and felt my skills are well-suited to this position and finally sent my application.

My latest suitable role for this job is a Senior React Developer when I have ever worked in HUEX STUDIO.

Before that role, my latest role was Full stack web developer.

But why did I become a React developer after that?

At that time, Angular and React.js both were competitive frontend libraries.

Both had their own advantages and disadvantages. So it was difficult to point that which is better.

But I thought React.js is much better than Angular because it uses virtual dom.

React's Virtual DOM is basically a JS Object and the reason it’s fast is **because reading/writing on real DOM is costly but reading/writing on object it not**. So reading/writing for any action/event is done on virtual DOM and when any changes are made to virtual DOM it simply changes the real DOM.

So I had set my main stack as React Frontend stack and single-handedly trained and trained and developed to improve my skills while freelancing.

I didn’t write my freelancing career in my resume.

But it was also another useful experience for me. No, not just an experience, that was a very important period that could change my destiny.

I have freelanced in many job sites like freelancer.com and upwork.com and peopleperhour.com and so on.

While freelancing, I usually single-developed or collaborated with many agencies or teams to developed many internal clients’ software products and was finally discovered in upwork.com by HUEX STUDIO and joined team of that company as a real member.

There 15 people were working in that team. Our team mainly focused on building and maintaining many React.js software products while working more than 50hrs/week.

At that company, I have experienced many real React.js experiences than when freelancing.

They were another experience which was different from freelancing experience.

We have received orders for many blockchain frontend development projects from many clients.

Most of the projects were which we have to start from scratch due to client’s requirements without using any template.

Those tasks were really hard for us.

<https://www.figma.com/proto/wBTQ4JaTBv02lPIevcDNPO/CRD-Network?node-id=4%3A603&scaling=scale-down-width&page-id=0%3A1>

Analyzing the client’s requirements, I componentized all pages. I mean I have divided one page into many ui parts as React’s main idea.

As you know, in css, we can implement UI componentization by using sass because of its powerful importing function.

So I made each component’s css into SASS files. I.e buttons, alerts, menus and so on. Doing so made it easier to create React components.

So I always use React and SASS or Tailwnd CSS as css in frontend development.

In the several months before leaving the company, have been assigned front-end of many blockchain web projects i.e. NFT Marketplace, Dex/DeFi, DAO and connected them to smart contracts using web3.js

You know, Memphis design and engaging interactives are new trends in web design.

The typical example which all those are implemented is pancake swap design.

You can see a moving big bunny which is the face of pancake swap in the home page.

Most blockchain web projects web designs follow these trends.

So, actually front-end development is much harder than previous time.

## What was the most difficult technical issue in your previous projects?

-AWS

<https://www.hubs.com/>

This is an e-commerce project where users can sell and buy new revolutionary product and I have collaborated to build this platform when I was working in HUEX STUDIO.

You may know that this site is now built with Vue.js in frontend.

But at the first time, client’s requirement was building with React.js.

I don’t know, I don’t know why the client made a decision to migrate from React to Vue.js

In my opinion, keeping the React.js website remaining will be ok.

Because of its simplicity and flexibility.

By the way, it’s all up to the client.

But I am sure that the main workflow of this project is not unchanged.

The main goal of this platform workflow is using AWS exactly. AWS Lambda functions.

Frontend/App is an interface which interacts with visiting users.

CMS: Many content management system pages like Wordpress which is used to manage products of this platform.

Admin: As a super admin of this platform which has all the abilities i.e. manage the access and level of responsibility of all users.

Hasura: A real-time GraphQL API builder and GraphQL Engine is a blazing-fast GraphQL server that gives you instant, realtime GraphQL APIs over Postgres, with webhook

AWS ECS: is a fully managed container orchestration service that makes it easy for you to deploy, manage, and scale containerized applications and storage serverless server which holds our hasura server.

AWS Lambda: computing service that runs code in response to events and automatically manages the computing resources required by that code.

AWS Coginto: provides solutions to control access to AWS resources from your app. So it can be called as a gateway of AWS resources.

AWS SNS: **Amazon Simple Notification Service** enables you to send notifications directly to your customers.

There are also many related extra features except these features. But these are the main features we have to consider.

When a user does some operation i.e. buying or selling of any product, then React generates GraphQL query which changes or fetches matched data from Hasura in the frontend and submits to Hasura server.

Then after receiving the query, Hasura server does appropriate operations as query and dispatches hasura action to AWS Lambda service.

There, due to the hasura actions in order, the apis we have defined are called i.e. emailing to buyers or sellers. Or any other api operations.

On the other hand, Hasura server dispatches same action to AWS SNS and SNS send notifications to related users or all users to let them know if operation is done successfully or not.

So this is the basic workflow of this platform.

One of the biggest advantages of using AWS Lambda and Hasura is solved synchronization of database and user operations.

If any data of database changes, other users or services can recognize the changes instantly.

While developing this, we encountered so many problems.

First of all, we have a few knowledge of AWS and a little understandability of this workflow.

After many days researching, we can understand the workflow perfectly and took each our own tasks and start developing.

At that time, I took the task which have to develop many operations in Hasura server and SNS.

Because Hasura server is directly related to frontend.

Actually, before deploying not such many issues happened and the development and test proceeded smoothly.

Real big issues occurred after deployment.

We have to integrate all features or services into one entire enormous platform and deploy that on AWS.

After deployment, the system didn’t work well. Because synchronization between services was not matched.

We spent over 3 weeks to match the synchronization and after that it worked well like this.

So at that time, me and our team experienced a really big thing.

Since experienced that project, I have confidence of that.

After hiring, if there is any AWS work, I am willing to take that.

## How to Make own CSS Framework?

1. CSS Reset

Different people use different browsers, it maybe Firefox, Chrome, Safari or even Internet Explorer. We need to make sure that our style looks the same everywhere. This is where the CSS Reset comes in.

CSS Reset does exactly what it sounds like, it resets the style so that we have a uniform and a consistent style across all types of browsers and devices.

1. Media Queries

A responsive design is one which works well on any device irrespective of the screen size. Obviously, in order to make that happen, you need to write CSS which is responsive. This is what media query helps us with.

Media query allows you to write different CSS for different screen sizes.

1. Design system

* Color Scheme
* Tools for designing
* Typography