**Tell me about yourself.**

First of all, Thanks for giving me the opportunity to be interviewed for this role today.

My name is Oskar Sadowski from Poland.

I’ve been working as a software developer for more than 7 years including this year.

After graduating from university with a bachelor's degree in computer science, I ‘ve been working for several companies in various positions where I gained deep experience working in several industries such as E-Commerce, Fin-Tech, Climate-Tech.

As a software developer, I’m passionate about creating quality products that meet all of the customer’s needs, and I love learning new knowledge and technologies that allow me to make that happen.

As you can see from my CV, I started my career as a Junior Frontend Developer in my first company - Jalappeno.

At that time, everything was new and unfamiliar to me but I gave my best shot to overcome all obstacles and challenges for achieving my ambitious goals and I ‘m trying constantly to make sure that my knowledge and skills are kept up to date with latest best practices and techniques even at the moment.

During that time, I was promoted to Full Stack developer and my current role is Senior Full Stack Developer.

To say about my professional career, I designed, developed and deployed a lot of web applications especially single page applications using various program languages, frameworks and technologies like javascript, typescript, react, vue, PHP, python, node, express.js, next.js…

But my main stack is React for frontend and Node for backend side.

And I mostly use typescript for both sides because typescript is …

- Database(NoSQL, SQL database(MySQL, PostgreSQL, MongoDB, MariaDB))

- RESTful API, GraphQL

-CloudPlatform(AWS, GCP, Azure)

In terms of the ratio, I would say that I focus 70% of my work on the front side and the other 30% on the backend side.

(Personal hobby)

Yeah, So the bottom line about who I am is that

I would describe myself with 5 words. Responsible, Creative, Forward-thinking Web Developer.

I hope you give me a chance to prove my words in my next opportunity at least in this interview.

And then As you can see from my CV, I left my last company a few months ago because they changed working policy after COVID-19 crisis subsided. My position was full remote position so they recommended me to relocate there but I couldn’t go there so I had no choice but to left that company and from two weeks ago I’ve been looking for a new job.

In addition to, Outside of work I am driven by my family who are fully supportive of my career and any potential shift work or overtime that comes with the job. And I enjoy playing football and going to the gym where I can maintain healthy fitness.

That’s all about me. Thank you.

I can say I have strong collaboration ability. As you can see my resume, My last company is located in USA and my position is remote position. From this reason collaboration ability is very important and essential for me. Collaborate effectively with cross functional team to solve collective problems. In this company I have the chance to work directly with client. Gather the stakeholder’s needs and convert it technical requirement.

**Why did you leave last company?**

I am really grateful to my last company where I gained a lot of experience in professional but also personal fields. How to closely collaborate with team members.

In reality That company raised me as a senior full stack developer. I can’t expect me today without that company’s benefits.

The reason why I left last company is Company’s working policy was changed. Located in usa and position is remote position. From this year, They wanted to remove remote position and they want me to relocate to the USA.

**Why do you apply?**

 I was impressed by your company’s reputation for its supportive culture and growth opportunities.

**Ask about company? Tech stack.**

-Company culture, ideal candidate, how many steps?

-technical environment, CI/CD pipeline, working style(kanban, scrum), great principle of clean code.

**What are you looking for in your next job? Why do you think you will be successful in this role? We would love to know what most encouraged you to apply for this offer, we are all ears!**

In my next role, I am looking for more collaborative environment and engaging new challenges. I have my own motor about collaboration. Just learning, it is very easy to forget but learn and use it in real project, I can remember it long time. And then I have discussion about it with the others, it is very difficult to forget. And finally, I teach the others about it. It is forever. I like collaborating. During this, I can learn more about new technology and other’s opinion and more detail about it and find out issue and mistake that I missed. I truly enjoy collaborating with different individuals and contributing to collective problem-solving. I am also looking for engaging new challenges because even though solving new challenge is difficult, but after solving it, I can feel improvement of my professional ability and have confidence about me. Researching your company’s website and job description has led me to believe that your company is one that provide this work environment. And in this environment I can give it my best shot.

**Most proud of project**

As a full stack developer, my most proud project I worked on is the first one I built from scratch. The reason for my pride in this project is the fact that I independently developed it from the ground up. While I have participated in numerous web applications, those projects were already in the process of development, with established structures and common functions. In contrast, this project required starting from a blank canvas, necessitating the gathering of stakeholder needs, analysis, and the simultaneous conversion of these requirements into technical specifications.

One of the key challenges was discussing these technical requirements with the client to ensure accuracy. Following this, I structured the project, adhering to best practices, and provided APIs while developing modular functions to simplify future development.

And finally, I satisfied my client and received positive feedback. This indicates that the project was well-structured, modular, and maintainable, with high-quality code.

**Front end challenges and experience**

**Back end challenges and experience**

The response time for one of our application's endpoints has escalated from 300 milliseconds to 3 seconds.

Based on your experience, what potential issues might arise? How would you go about identifying these problems?

Front end side is very important to build web application because at first time, the customers and users faced front end side not back end. Most of users don’t have any knowledge about programming just use it. As a result, front end side is one of the most important factors to attract customers and users. Comparing with person, front end is appearance and back-end side is for that person’s character, personality. People like clean, modern and beautiful web page. We have to provide user friendly interface. In my \_\_\_\_ company, I participated in front end side To provide user friendly interface and seamless user interactive web page, I solved this kinds of problems.  
Browser compatibility. There are a lot of web browsers and devices with different screen size as a result we have to provide cross browser compatibility. Nightmare browsers don’t support modern JavaScript standards and CSS properties and support different design layout. To solve we have to avoid browser specific features like activeX in internet explorer, chrome only dev tools features-CSS grid inspection. And use flexbox and css grids.

Performance. [Nobody likes bad-performing websites and slow load speeds](https://www.trustsignals.com/blog/why-slow-page-loading-will-lose-you-customers-fast). there are a lot of ways to do it. Reduce HTTP requests, Optimize images, use browser cache, optimize JavaScript files and so on. Among of them I focus on lazy loading. Fast initial loading. Reduce initial loading time by deferring the loading of non-critical resources until they are needed. It also conserve data and bandwidth. Load resources only when they are required. Optimize performance in both server and client. They process only necessary part.

**Please describe your experience with background processing.**

**Tell us about your experience designing and building web SDK's.**

**Tell us about a time where you had to solve a complex problem and what did you do to solve it.**

**Mentoring junior developers.**

I have experience in mentoring junior developers. In my last company, I worked as a sr. full stack developer so one of my responsibilities is mentoring junior developers. I have my own way to mentor them. First, I divide the time into 2 parts. In first part, I am main speaker. Give them basic knowledge about technical problems. The next part is their time. I am just observer, fix the mistakes and direction of discussion. They actively discuss each other and finally they can find out answer by themselves. Why it is, how it does work, why we need it and staff. I think this is very good way to make them to work in both individual and team set.

**Kanban and Scrum.**

Kanban and scrum are project management methodologies.

**How does your colleague describe you.**  
they would say that I am a hardworking individual and good team member. I am always willing to lend helping hand and work closely with others to achieve team’s goal. I am always good listener and listen carefully other’s perspectives and idea. And the other hand I am not afraid to take on new challenges and also a quick learner. Always looking for new ways to improve my skills and knowledge.

**Experience of Typescript**

Writing production-level code using Typescript has been a positive experience for me. Typescript has helped me catch bugs and errors early in the development process, leading to more robust and reliable code.  
The ability to define custom types and interfaces has also been extremely helpful in creating clear and maintainable code. It has allowed me to easily communicate the intended structure and behavior of my code to other developers for future maintenance and updates.  
Furthermore, the support for modern JavaScript features and the ability to easily integrate with existing JavaScript libraries and frameworks has made it seamless to transition to Typescript in existing projects.  
Overall, writing production-level code in Typescript has increased my confidence in the quality and reliability of my code.

**Experience of JavaScript**

These frameworks have provided powerful tools for building dynamic and responsive web applications. They offer features such as reusable components, one-way data flow, and reactivity, making it easier to create maintainable and high-performing applications. The comprehensive set of tools and strong community support has made development efficient and enjoyable.

**Optimize database**

Indexing,

Analyze query pattern.

Avoid full collection

Use limit and sort.

Aggregation pipeline.

**Benefit of Microservices for scaling up.**

Independent Scaling. In microservice architecture, each service can be scaled independently of the others. It means it can be scaled up without affecting the performance of other services.

Modular design. It means they can be easily added or removed as needed.

Fault Isolation. every services are correctly independent each other. as a result one fault in one service doesn't affect the other services.

And also Microservices can be developed independently of each other.

**How did you get into coding.**

I became a computer programmer simply because I had a strong desire to do so. From a young age, I was filled with curiosity about computers, which seemed almost magical to me. However, what truly solidified my decision to pursue programming was a simple program my brother showed me. This program allowed me to input my family members' names and receive information about each person. Although it was a straightforward process, it felt fantastic and left me unable to fully articulate my feelings. Witnessing the computer's ability to understand and process information about my family members sparked my interest, and from that point on, I was determined to study programming. This experience ignited my passion for coding and set me on the path to becoming a computer programmer.

**E-commerce project**

-Cross-browser accessibility: It’s important to ensure your e-commerce site is optimised for mobile devices, iPads & Android tablets etc. UI is very important part in web development especially E-commerce system. Even though the quality is higher than others but unlikely appearance is worse than other, the customers may select the good looking product. Like this it looks like small problem but in reality very important. To implement it I avoid to use specific features like activeX in internet explorer, chrome only dev tools features, css grid inspection and staff. And then implement responsive design using flex.

-User experience and customer engagement: just before I mentioned why it is important. In my opinion, website must be clean and modern. First things first easy to use. Live chat is big plus.

Optimize performance balancing.

Secure Customer Data Management

Payment Gateway Integration

Shipping & Tax Calculations

Product Management

--company

----first, Solita, Web Developer

Work as a Web Developer , front-end UI developer. Built html templates and created the branding from scratch. Stair ball, animation button.

couldn’t use other templates to prevent increasing loading time.

Built module pages that can communicate with backend.

Fouce front end side 90:F 10: B

Keep learning new technology

---second Ancient Full Stack Developer

Import period for me. Got rich experience in my belt especially **SPA** using React, Redux,

And also other part like html5, responsive layouts. !Specific features(activeX, chrome only dev tools features-css grid inspection, vendor prefix css -webkit-), compatibility library and framework, responsive design(flex). And also backend side MySQL and NoSQL.

Developed simple games in web application using socket io.

Also developed and maintained high quality code. Collaborated effectively to gather requirement from stakeholders. Experience is important to easily understand requirepment.

---Beta acid senior Full Stack Web Developer

Developed web applications as a senior Full Stack Developer, high scalable and fault-tolerant system. (two identical web servers and database servers, Implement health monitoring system, automated failover-redirect, robust error handling and logging machenism).

Participated system architecture to optimize performance. Microservice architecture, serverless architecture, optimize database queries.-indexing – allows M to quickly locate and retrieve the desired data

Reduce, analyze query pattern. Avoid full collection without indexing. Use limit and sort.

Participated code review.

**What r u doing now.**

After I left last company I worked as freelancer. Finish project. Nothing to do. Looking of new opportunaty

**Where do u base on?** Finland turku.

**Why do u left your last company?.**

Policy changed. Last company located in America. Policy changed. Didn’t want remote developer. They want me to move into A. out of question.

**Why would u looking for new opportunity?**

Because Job description made me excited. It was very interesting curious for me. Great freedom and control over early tech stack choices. I thought if I apply this job. I can face so many new challenges and solving these challenges give me good experience to improve my ability.

Stick in my brain and stimulate again and again.

**How about your team?**

About their company. – where, product, technology, what makes me apply this job….

What kind of programming language and what do u do using these language and about this language common sence, experience…

**Do u have any question about our company.**