Viktor Vasylkovskyi

Frontend Engineer

Contact

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Skills

Javascript
Excellent

Typescript
Excellent

ReactJS
Excellent

CSS
Excellent

NodeJs
Excellent

Enscripten
Very Good

WebGL
Good

Senior software engineer with 5+ years of experience with solid knowledge in algorithms, data structures and software design. Developed frontend/software for multi-device apps scaled for global users, with the best performance and security practices. Like to work with teams of inspired and motivated people and am always ready to learn new concepts. Able to grasp things quickly and work with demanding deadlines and high-quality outcomes.

Work History

2022-09 - Current

Senior Software Engineer

Sky Technology Center, Lisbon

As a Senior Software Engineer specializing in video player technology and embedded systems for platforms like set-top boxes and game consoles, I lead architectural initiatives and design robust solutions in JavaScript/TypeScript. My expertise lies in

- **Specialization in Video Player Technology and Embedded Systems and WebGL client apps:** Proficient in the development and optimization of software for a diverse range of platforms including set-top boxes and game consoles, ensuring high performance and user-centric functionality.
- **Architectural Leadership:** Act as the primary driver of architectural initiatives across multiple teams, leading the charge in identifying, planning, and implementing effective solutions that align with both technical and business objectives.
- **Expertise in JavaScript/TypeScript Projects:** Skilled in designing and building robust solutions using JavaScript and TypeScript, with a focus on scalability, maintainability, and cross-platform compatibility.
- **Problem-Solving and Innovation:** Continuously engage in problem-solving, contributing to the advancement of technology within the company. Instrumental in introducing innovative approaches and techniques to improve product quality and team efficiency.
- **Collaboration and Mentorship:** Collaborate with cross-functional teams to achieve project goals, and mentor junior engineers, fostering a culture

Video Programming

Excellent

Embedded Systems/Linux

Very Good

Software Design

Excellent

Performance Optimizations

Excellent

Languages

English Native or bilingual

Excellent

Portuguese Native or bilingual

Excellent

Ukrainian Native or bilingual

Excellent

Russian Full professional

Very Good

Spanish Professional working

Good

of technical excellence and continuous learning.

2020-02 - Current

Frontend Developer

Sky Technology Centre, Lisbon
PeacockTV - Amazing streaming platform available in the USA and Skyshowtime in Europe where the users can watch movies, tv shows, and live sports events or news. Currently, team lead the Peacock Web team. Some of my responsibilities are:

- **Collaborating with stakeholders:** during development processes to confirm creative proposals and design best practices, beginning of conception of feature up to public showcasing of working feature.
- **Improving performance:** improved performance of app by up to 30% while measuring app performance with New Relic and Google Lighthouse core web vitals and Identifying key points in code where performance can be optimized (Optimize Bundle Size, Parallelize network requests, dynamic importing, lazy load of components, and many more)
- **Leading security projects:** HMAC signature on client and Whitebox cryptography to obfuscate code from attackers. Whitebox cryptography is achieved using Emscripten and Arxan technologies.
- **Development** of most critical features in ReactJS, Javascript, Typescript, NodeJS and CSS (SCSS) and Accessibility in mind and best SEO practices.

2018-01 - 2020-02

Programmer/ Frontend developer

APP - Association of Ports of Portugal, Lisbon
The project aims to optimize and harmonize workflow of the information between all the ports of Portugal which involves maritime, railway and highway transports management and control. To achieve that, the whole new system is intended to be developed where all the business and government authorities interact and achieve harmonization and improve transport business experience.
My responsibilities were the following

- Responsible for development of most of web

pages that project required

- Further due to increased complexity of project, managed to distribute frontend monolith into micro frontends intercommunicating
- Technologies involved: javascript - Angular 7, Single SPA for FE and Java, Postgress for BE
- Analyse, design and develop web pages in Angular 7;
- Store/NgRx state management;
- Angular Routes/ Lazy Loading;
- Development of Single SPA architecture for micro frontends
- Technologies used: Frontend optimization; TypeScript; Scss; HTML5; NgRx; Angular 7;
- Education, Training and Language

Education

**2018-01 -
2022-02**

Master of Science: Computer Engineering

Instituto Superior Tecnico (IST) - Av. Rovisco Pais 1, 1049-001 Lisboa

The recent interactions between humans and robots appear to have problems regarding humans privacy. The project's aim is to improve privacy in interaction between robots and humans using Blockchain technology. In other words, project is developed with Privacy by Design in mind. Health Care environment - IPO - Portuguese Institute of Oncology

Technologies used: Privacy By Design; IT Security; Mongoose; MongoDB; ExpressJS; NodeJs; C++; Blockchain EOS.IO; Frontend optimization; Angular 7;

My Published Papers:

https://www.researchgate.net/publication/349152707_Designing_and_Validating_a_Blockchain-based_Architecture_to_Enforce_Privacy_in_Human_Robot_Interaction

https://www.researchgate.net/publication/347779499_BlockRobot_Increasing_Privacy_in_Human_Robot_Interaction_by_Using_Blockchain