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Toronto, Ontario

PROFESSIONAL SUMMARY

Dynamic Senior Software Engineer specializing in React.js and Three.js, with a robust background in developing high-quality, user-centric web and mobile applications. Eager to leverage deep expertise in cutting-edge front-end technologies and a proactive approach to solving complex challenges in a creative role at a forward-thinking company.

WORK EXPERIENCE

Senior Frontend Software Engineer

2021 - Present

Avatour • Remote

- Led the development of a cutting-edge real-time virtual tour platform, significantly enhancing remote access to physical locations for users worldwide, serving over 100 monthly active businesses.
- Pioneered the integration of interactive 3D features using Three.js, increasing user engagement by 40%.
- Delivered first-of-time 360 video stream platform for Apple Vision Pro headset using WebXr and Three.js.
- Architected and implemented scalable CRUD APIs for web and mobile clients with Nest.js, on a Node.js server improving backend efficiency by 30%.

Frontend Software Engineer

2020 - 2021

Uptech • Ukraine

- Spearheaded the development of an admin panel for a mobile health application from scratch, improving operational efficiency and data management for over 500 health professionals.
- Contributed to a large-scale real-estate platform project, enhancing property visualization and customer engagement, resulting in a 25% increase in user retention.
- Implemented code versioning and collaboration tools including Bitbucket and GitLab, streamlining development processes and teamwork.

Frontend Software Engineer

2018 - 2020

TowerIQ, Inc. • Ukraine

- Developed a CAD web application from the ground up, used by over 300 engineers for fire-system management in buildings. This involved intricate SVG/canvas element manipulations for precise 2D drawings, highlighting skills in delivering scalable and high-availability web applications.
- Enhanced UI/UX design by incorporating advanced drag-and-drop functionalities and integrating Google Maps for real-time location data, showcasing the ability to merge various technologies to improve design efficiency and user experience.

- Leveraged GitLab for version control, enhancing team collaboration and code quality across the development lifecycle.

EDUCATION

Bachelor's degree in Automation Engineering

NTUU "Kyiv Polytechnic Institute" • Ukraine

Master's Degree in Automation Engineering

NTUU "Kyiv Polytechnic Institute" • Ukraine

SKILLS

- **Web Development:** Proficient in HTML5, CSS3, JavaScript (ES6+), TypeScript, and React.js; advanced with Flux/Redux.
- **Mobile Development:** Advanced in React Native for cross-platform mobile apps.
- **3D & Immersive Tech:** Skilled in WebGL, Three.js, and WebXR for 3D rendering and immersive experiences.
- **Real-Time Communication:** Knowledgeable in WebRTC for real-time web and mobile communications.
- **Backend Framework:** Advanced in NestJS for CRUD operations; Experienced in Next.js for scalable server-side applications.
- **Software Architecture:** Familiar with SOA, API-first, microservices, and micro frontends architectures.
- **Cloud & Containers:** Knowledgeable in AWS; Docker and Kubernetes; CI/CD.
- **Methodologies:** Agile-scrum, test-driven development (TDD).
- **Version Control:** GitHub, GitLab, Bitbucket.

PROFESSIONAL ACHIEVEMENTS

- **Japan Hackathon** (26th June 2021): Secured 2nd place for creating a video conference app with a unique game-styled interface, recognized for its innovative use of React, Node.js, Canvas, and WebRTC.
- **INT20H Hackathon** (22nd February 2019): Earned 3rd place for developing a solution for home-service companies, showcasing my ability to deliver practical applications under competitive conditions.

LANGUAGES

- English - advanced
- Ukrainian - fluent