

# Oleksandra H.

## Frontend Developer

### Summary of Qualifications

Frontend Developer with 3.5 years of experience building complex web applications using React and TypeScript across multiple domains. Strong expertise in developing data-intensive dashboards, real-time collaborative features, and high-performance interfaces for working with large datasets and deep-zoom medical images. Experienced in designing scalable frontend architecture, state management with Redux Toolkit and RTK Query, and integrating rich UI component libraries such as Shadcn, Material UI, Fluent UI, and Syncfusion.

Skilled in translating complex business and domain requirements into intuitive, performant user interfaces, collaborating in cross-functional teams, and maintaining high code quality through reusable components, testing, and modern development practices. Experienced in integrating frontends with REST APIs and WebSocket services, SQL/NoSQL databases, and Docker-based environments.

### Skills

#### Programming Languages/Technologies

- JavaScript/TypeScript
- NodeJS
- HTML5 / CSS 3
- SQL

#### Developer Productivity AI Tools

- GitHub Copilot
- ChatGPT
- Claude / Claude Code
- Cursor AI
- Gemini

#### Data Formats & Protocols

- JSON
- WebSockets / Socket.IO
- REST APIs

#### RDBMS:

- PostgreSQL
- MySQL
- SQLite

#### NoSQL:

- Redis
- MongoDB
- Firebase

#### Infrastructure & DevOps

- Docker

#### CI/CD

- GitHub Actions

#### Frameworks & Libraries

- React / Next.js
- Redux / Redux Toolkit / Zustand
- RTK Query / React Query / Axios
- React Hook Form / Formik
- Express / NestJS
- TypeORM
- Joi / Yup / Zod
- Material UI / Hero UI / Fluent UI
- Syncfusion / Chart.js
- OpenSeadragon / Annotorious
- Tailwind CSS / Shadcn

#### Testing Tools & Frameworks

- Postman

#### Build Tools

- Vite

#### Version Control

- Git / GitHub
- Azure

#### Operating Systems

- Linux / Unix (Ubuntu)
- Windows

#### Development Tools

- VS Code
- Cursor

## Experience

### Digital Pathology Slide Viewer and Annotation Platform

**Project Description:** Web-based digital pathology system enabling pathologists and medical professionals to review, annotate, and collaborate on whole slide images (WSI). The platform provides advanced visualization using deep zoom technology for high-resolution medical slides with precise annotation tools, drawing capabilities, bounding boxes, and collaborative comments. Features include study management for organizing multiple slides, real-time collaboration through WebSocket connections, role-based access control, automated time tracking for review sessions, generation of surgical pathology statements and reports, comprehensive audit trails for regulatory compliance, and user activity monitoring. The platform streamlines digital pathology workflows with an intuitive interface for diagnostic review, quality assurance, and collaborative consultation.

**Domains:** Healthcare Technology, Digital Pathology, Medical Imaging

**Involvement Duration:** 1.5 year

**Project Role:** Frontend Developer

- Responsibilities:**
- Developed complex frontend features with React and TypeScript for medical imaging and annotation workflows;
  - Implemented deep-zoom slide viewing and custom annotation tools using OpenSeadragon and Annotorious;
  - Built real-time collaboration with Socket.IO for synchronized annotations and study updates;
  - Optimized performance for large images and heavy annotation data through efficient state and rendering strategies;
  - Designed RTK Query state structure and reusable UI components;
  - Collaborated with cross-functional teams and participated in code reviews and refactoring.

**Project Team Size:** 5-8 team members

**Tools & Technologies:** TypeScript, React, Vite, Redux Toolkit, RTK Query, Material UI, Socket.IO, OpenSeadragon, Annotorious, React Hook Form, Zod, PostgreSQL, Redis, Docker

### AI SAAS platform for natural language understanding

**Project Description:** Enterprise-grade AI platform providing comprehensive tools for analyzing conversational text including support tickets, survey responses, and product reviews. The system leverages containerized applications with GPU processing capabilities, deployed across multi-cloud infrastructure. The platform enables organizations to extract actionable insights from unstructured text data through advanced natural language processing, sentiment analysis, and automated categorization for business intelligence and customer experience optimization.


**Domains:** AI & Machine Learning, Natural Language Processing, Data Analytics

**Involvement Duration:** 1 year

**Project Role:** Frontend Developer

- Responsibilities:**
- Developed a standalone Survey Service with Next.js, implementing form builder, CRUD flows, and response collection as an independent microservice;
  - Built analytical dashboards and data visualization features to present NLP insights in a clear, actionable way;
  - Set up unit testing with Jest and component documentation with Storybook to improve code quality;
  - Collaborated within a cross-functional team, participating in code reviews and feature design.

<b>Project Team Size:</b>	5-8 team members
<b>Tools &amp; Technologies:</b>	TypeScript, React, Next.js, Redux Toolkit, RTK Query, Tailwind CSS, Material UI, Ant Design, PostgreSQL, Jest, Storybook, Postman
<b>Project Description:</b>	<b>CRM Dashboard &amp; Team Management Platform</b> Web-based CRM and project management dashboard designed to help teams organize work, track progress, and analyze performance through visual analytics. The platform allows users to register, create and manage projects and teams, assign and track tasks, and monitor productivity through tables, charts, and real-time statistics. The system provides role-based access, task lifecycle management, activity tracking, and interactive dashboards for data-driven decision making.
<b>Domains:</b>	CRM Systems, Data Visualization
<b>Involvement Duration:</b>	1 year
<b>Project Role:</b>	Frontend Developer
<b>Responsibilities:</b>	<ul style="list-style-type: none"><li>▪ Developed responsive and interactive user interfaces using React and TypeScript, ensuring smooth UX across desktop and tablet devices;</li><li>▪ Implemented dynamic dashboards with charts, tables, and real-time statistics using modern data visualization libraries (Syncfusion, Fluent UI, Chart.js);</li><li>▪ Built task management flows including creation, assignment, status tracking, filtering, and sorting with intuitive UI patterns;</li><li>▪ Integrated frontend with RESTful APIs for authentication, project/team management, and task operations;</li><li>▪ Implemented role-based UI behavior and permission handling for different user types (admin, manager, team member);</li><li>▪ Optimized frontend performance through code splitting, memoization, and efficient state management;</li><li>▪ Collaborated closely with backend developers and designers to deliver consistent user experience and maintain design system standards;</li><li>▪ Participated in code reviews, refactoring, and UI component reusability improvements.</li></ul>
<b>Project Team Size:</b>	4-6 team members
<b>Tools &amp; Technologies:</b>	React, TypeScript, Redux / Context API, REST API, Chart.js / Recharts, Syncfusion, Fluent UI / Ant Design, Git, Docker

<b>Certificates</b>	<b>Full Stack Web Developer Course</b> GoIT 
<b>Education</b>	<b>Bachelor's degree</b> National University of Kyiv-Mohyla Academy Ecology
<b>Languages</b>	<b>English:</b> Upper-Intermediate <b>Ukrainian:</b> Native