

Luka Mania

Software Engineer | Front-end Developer

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SUMMARY

Enthusiastic software engineer with a strong passion for front-end development, specializing in building dynamic and responsive user interfaces with React.js and TailwindCSS. Skilled in full-stack development, with hands-on experience in backend programming and API integration. Adept at optimizing performance, solving complex problems, and creating seamless user experiences. While front-end development is my primary focus, I also bring solid backend expertise, ensuring well-structured and efficient applications. Eager to expand my knowledge and grow in new technologies.

EXPERIENCE

Personal Projects

Canvas Editor Application

- Built a Canvas Editor combining features of MS Paint (freehand drawing, shapes, images) and Figma (manipulating nodes like shapes, text, images).
- Used Konva.js for efficient canvas rendering and precise node management.
- Developed a dynamic, responsive UI with React and TailwindCSS.
- Optimized rendering using useMemo, useCallback, scoped state, and split contexts to minimize unnecessary re-renders.
- Implemented an undo/redo system with a custom doubly linked list.
- Gained strong experience in data manipulation, component design, and performance tuning.

Social Media Application

- Built a full-stack social media platform with JWT-based user authentication.
- Developed a dynamic, intuitive React frontend with TailwindCSS for a modern, responsive UI.
- Created a Django REST API to handle user posts, messaging, and interactions.
- Integrated WebSockets for real-time chat and notifications.
- Optimized database queries and API responses for performance.
- Used SQLite with Django ORM for simple, efficient data management.

Weather Forecast Application

- Developed a weather app that fetches real-time data from an external API.
- Built a responsive React frontend styled with TailwindCSS.
- Integrated API to display temperature, humidity, wind speed, and weather conditions.
- Enabled weekly forecast view for extended insights.
- Secured API keys using environment variables.

EDUCATION

Faculty of Exact and Natural Sciences

Ivane Javakhishvili Tbilisi State University (TSU) - Bachelor's in Computer Science (Expected 2027)

SKILLS

TypeScript	Advanced	HTML	Advanced
React.js	Advanced	CSS	Advanced
Konva.js	Advanced	Tailwind CSS	Advanced
Django	Advanced	Git	Intermediate
Python	Advanced	Full-Stack Development	Intermediate
C++	Intermediate	Front-end Development	Advanced

LANGUAGES

Georgian	Native	Russian	Fluent
English	Fluent		