

# ALEXANDER LECKY

## Software Engineer

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[Portfolio](#) • [GitHub](#) • [LinkedIn](#)

### SUMMARY

Software Engineer with a unique background in language teaching abroad. Savvy, inventive, and patient, with excellent communication skills and team-leading ability. Developer of web applications, mobile apps, browser extensions, open-source contributions, games, and game mods. Ready to work with industry-standard tools at production level.

**SKILLS** - ReactJS, React Native, JavaScript, Ruby, Ruby on Rails, TypeScript, NestJS, Figma, Express, Node.js, Redux, MongoDB, Git/GitHub, Pre-commit hooks, ESLint, AWS, SQL, PostgreSQL, CSS, SaSS, HTML, Babel, Expo, WSL2, Husky

### WORK EXPERIENCE

**Travel Hotline**, Remote

February 2024 – April 2024

*Full Stack Developer - Internship*

**Tools** - React Native, Typescript, Node.js, NestJS, Prisma, PostgreSQL, Expo, Redux, Husky, ESLint, Figma, Babel

- Designed and implemented multiple React Native components and application screens with functional components and react features such as hooks, navigation, and state management libraries like Redux or Context API
- Helped implement robust backend solutions using NestJS, leveraging its modular architecture and dependency injection system to enhance code maintainability and scalability
- Diligently translated UI/UX designer Figma files into pixel-perfect replications, meticulously considering various device screen sizes to ensure flawless user experiences across platforms

**Smile English**, Moscow, Russia

*English Language Teacher*

December 2018 – March 2022

- Created and adapted a wide range of teaching materials and resources including textbooks, handouts, audiovisual aids, and online platforms, to meet the needs and interests of different age groups, proficiency levels, and learning goals
- Equipped numerous students with the skills and knowledge necessary to excel in internationally recognized English language proficiency exams, including Cambridge's IELTS and the TOEFL

### APPLICATIONS

**Tenner** - React, JavaScript, React-Redux, AWS, Ruby, Ruby on Rails, PostgreSQL

[Live Site](#) | [GitHub](#)

*A clone of the freelance website Fiverr.*

- Developed a Ruby-on-Rails back-end API, utilizing PostgreSQL as the database, to pass JSON to the front-end
- Employed Active Record to streamline database interactions and simplify data modeling, resulting in efficient data storage, retrieval, and manipulation
- Implemented React-Redux for global state management, complementing the CRUD features like login, logout, and review

**Artifacts** - MongoDB, Express, React, Node.js, Google Maps API, JavaScript

[Live Site](#) | [GitHub](#)

*A MERN web app enabling users to explore historical artwork via a 2D map and timeline slider.*

- Utilized MongoDB as the database, alongside Express and Node.js for the backend technology stack, leveraging the flexibility of NoSQL and the simplicity of a lightweight web framework to ensure smooth data storage and retrieval
- Managed GitHub repository, documentation, constructed schedules, deadlines, team goals, and the project's overall vision
- Developed web security measures with JWT token-based user authentication and CSRF protection through custom Node.js and Express functions.

**Blockout** - JavaScript, HTML, CanvasAPI, SaSS, Babel, Webpack

[Live Site](#) | [GitHub](#)

*JavaScript video game utilizing CanvasJS for animation and vanilla JavaScript for game logic.*

- Researched and implemented the HTML5 Canvas API for character, background, and shape animations.
- Implemented React-Redux for global state management, complementing the CRUD features like login, logout, and review
- Attained precise hit box tracking and accurate collision detection by tracing and monitoring each object's pixel locations.

### EDUCATION

**App Academy**, New York, NY

April 2023

*Graduate of the Full-Stack Software Engineering curriculum.*

**University of Cambridge**, London, United Kingdom.

September 2018

*Certificate in English Language Teaching to Adults - Certification*

**Bergen Community College**, Paramus, NJ

June 2016

*World Cultures and Languages*