

Bohdan Nakonechnyi

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

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PROJECTS

Safe Notes | (Ruby on Rails, PostgreSQL, ReactJS, Redux)

[Live](#) • [GitHub](#)

Full stack single-page app inspired by Evernote

- Architected RESTful Rails API to serve single page web app with a PostgreSQL database
- Defined authentication system with password hashing (BCrypt) and unique session token (SecureRandom) to ensure high-level database security
- Developed front-end views using DRY and reusable components
- Designed UI/UX inspired by Evernote using CSS3, React-Quill and React-Tooltip

Space War | (JavaScript, Canvas)

[Live](#) • [GitHub](#)

Arcade style space shooter browser game where player has to destroy all the enemies

- Followed JavaScript OOP design and ES6 class inheritance to ensure modular and DRY code based on game logic
- Built dynamic gameplay using HTML5 canvas element, sprite sheet animations and vector math for updating game state
- Implemented rendering game state at 60FPS and garbage collecting out-of-play objects

Night to remember | (Google Maps API, Yelp API, Eventbrite API)

[GitHub](#)

Front end app for people who want to find event and restaurant to go to nearby

- Integrated Google Maps API to show closest locations and driving directions, based on user's preferences
- Constructed front-end views using ReactJS with Redux architecture to componentize the views

Chess | (Ruby)

[GitHub](#)

Console version of well known game

- Incorporated Ruby OOP with multi-level class inheritance for DRY code
- Developed validation algorithm for available moves and attack positions

PROGRAMMING SKILLS

Ruby | Rails | RSpec | JavaScript | jQuery | React | Redux | Git | SQL | HTML5 | CSS3

EDUCATION

App Academy | Web Development

2016 – 2017

Full Stack Course, acceptance rate < 3%

San Francisco

Lviv National Ivan Franko University | Economics

2011 – 2015

Relevant courses: Linear Algebra, Math Analysis, Statistics

Lviv, Ukraine