Nader Arbabian

Software Engineer

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Projects

RobinUblind (Rails, PostgreSQL, JavaScript, React,HTML5,CSS)

A fully featured robinhood clone where users can purchase or follow stocks, and view their portfolio performance calculated using real-time data.

• Leveraged database indexing and batch API requests in the backend to calculate daily portfolio value using basic transaction data without storing any information in the database, resulting in fast and accurate data without taking up any extra storage.

• Deployed authentication pattern using password digests and session tokens, creating a secure authentication system that protects user data in the event of a security breach.

• Designed React component using OOP principles in order to create modular components, allowing for fast debugging, feature implementation, and DRY code.

• Employed JBuilder to normalize backend data output and create RESTful responses, allowing for fast scaling and addition of new features.

SuicideBurn (Javascript, HTML5)

A simple JavaScript game inspired by Lunar Lander created following OOP principles. Player's objective is to land the ship safely on the Moon

• Designed and deployed a realistic and modifiable physics engine without using any external libraries.

• Designed a tweakable algorithm that randomly generates a Moon surface.

• Implemented collision detection algorithms that can detect collisions using only vertices data

• Leverage Google Firebase to create a serverless data retention system for high scores

Rails Lite (Ruby)

A simple lightweight backend server app inspired by Rails

• PLACEHOLDER
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Languages and Frameworks

JavaScript, Ruby, Ruby on Rails, React + Redux, JQuery, HTML, CSS3, SQL, Git, TDD, Bash, RSpec

Education

App Academy   Nov. 2018 – Feb. 2019

• 1000-hour Web development course teaching Rails and React.js with a 3% acceptance rate, with Topics including: TDD, scalability, algorithms, OOP, coding style, REST. Security, single-page apps, and web development best practices

University of California, Santa Barbara   Sept. 2017

B.S. Aquatic Biology 2017

relevant coursework: statistical analysis of field data, physics of ocean currents, constructing ecological models using MATLAB

Employment

Infigo   Orange County, Ca
Lead Technician– Assistant Manager   Jan. 2018 – Aug. 2018

• Leveraged problem-solving skills to repair any component level hardware and software issue encountered, with 90%+ success rate in all repairs.

• Became a store assistant manager within two months of hiring, maintaining high quality of service with little supervision, allowing company expand operations into new stores doubling company revenue

• Trained and supported entry level technicians in both software and hardware repairs, providing both in person and off-site support as needed. Developed diagnostics and repair procedures for new issues as they were identified.