

AlexPlyushchay


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 The-Speck

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 1020 Wharton Dr.
Newark, DE

EXPERIENCE

J.P. Morgan | Newark, Delaware

2018 - Present

Software Engineer, Corporate Technology

- Developed microservice Java/Spring backend deployed to internal cloud platform, utilizing Apache Impala to process petabytes of data.
- Developed Angular frontend to interface with the microservices, using ag-Grid to display and allow interactions with the data. Optimized communications protocols for enhanced performance using RxJS.
- Designed and developed a React-Redux application with improved state handling, enhancing UX, look-and-feel, and performance.
- Utilized SQL Abstract Syntax Tree (AST) concepts in Java to dynamically represent complex queries in simple JSON format while providing secured queries.
- Developed unit and integration tests for all microservices using JUnit, Mockito and Powermock libraries.
- Created custom serialization and deserialization processes to handle complex data models and with minimal interactions with the database during CRUD/RESTful APIs calls.
- Developed a GUI and architecture for general users to create complex queries via a custom built, abstracted and reusable query builder library in React.
- Managed local and international employees to complete sprints under a strict deadlines using project management applications such as Jira, Bitbucket and Confluence.
- Worked with Continuous Integration and Deployment systems such as Jenkins.

Roanwell Corporation | Bronx, NY

2015 - 2018

Mechanical Engineer, R&D Engineering

- Developed a [website](#) for subsidiary using Wordpress, PHP, CSS and HTML5.
- Designed and manufactured military flagship headsets with sound suppression and designed the [Marketing Catalog](#) using Adobe InDesign.

SKILLS

RubyOnRails

Java-Spring

JavaScript

HTML5/CSS

Python(Novice)

React-Redux

Angular

SQL

Node.js-Express.js

Big Data

PROJECTS

Casa Mare (Rails, React-Redux, CSS)

[GitHub](#)

Home buying, renting and selling single page application inspired by Zillow

- Integrated Google Maps API to filter by map boundaries and real-time address validation
- Implemented RESTful API with Rails CRUD functions that responded with jBuilder-rendered JSON

Fight or Flight (JavaScript, jQuery, CSS)

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

2D Aerial combat with intelligent AI enemies

- Programmed a dynamic AI to target and fire the player while avoiding crashing into them
- Developed using pure JavaScript by manipulating the HTML canvas element with vector mathematics

EDUCATION

App Academy | New York, NY

2018

- Emphasis on algorithms, scalability, TDD, OOP, REST, best practices and efficient design.

Grove School of Engineering – City College of New York | New York, NY

2015

Bachelor of Engineering, Mechanical Engineering

- *Course Highlights:* Thermodynamics, Aerodynamics, Mechatronics, Control Systems.
- *Organizations:* Aerospace Club, National Association of Rocketry (NAR), Planetary & Rocket Science.
- *Awards:* The Jack & Jelly Feinsein Best 2015 Senior Design Project (ALICE Robot)

References Available upon Request