Edgar Barrientos   Software Developer | Secret Clearance

714-366-2997 I edgarmbarr@gmail.com I edgarbarrientos5@linkedin.com | https://github.com/Edgarbarr

Technical Skill

Front End: Javascript (ES5, ES6), React, HTML5, CSS3, Sass, Redux, Redux Saga
Back End: Node.js, Express, PostgreSQL, MongoDB/Mongoose, MySQL, RESTful API Development
Testing/Deployment: Jest, Mocha, Chai, AWS EC2, Docker, NGINX
Developer Tools: Git, npm, Webpack, Babel, Agile Methodology, TDD

Applications

Trafalgar Group Travel and Guided Tours Mock-Up: React | HTML5 | CSS3 | MongoDB | Express
- Created an itinerary service, using a **service oriented architecture** , which lays out the schedule details for a chosen trip.
- Simulated a realistic travel map by appending and **manipulating svgs after render** using the **react lifecycle**.

REI Outdoor Clothing Website System Design: Postgres | MongoDB | K6 | AWS EC2 | Jest | Docker
- **Boosted performance** of PostgreSQL query speeds **by 2000%**. (slowest performing query speeds went from 20 seconds to 2 seconds on full text search with 10 million records) by conducting benchmark testing and **implementing TRGM GIN indexing**.
- **Raised throughput from 1250 rps** with a 1% error rate **to 10000 rps** with 0% error rate by adding a load balancer, 2 caching servers, and an app server.
- **Deployed on AWS EC2** micro instance using an **ubuntu server** and Docker containers

Chat Room Trivia: Postgres | Socket.io | React | Express | AWS EC2
- Created an app that **can host chat rooms** where players can participate in playing a trivia game by utilizing Socket.io for its **websocket** capabilities.

Professional Experience

US Army | Audio/Visual Information Technology Operator/Maintainer   2013 - 2018
- Provided technical support and troubleshooting on the Kodak Nexpress 3000 during multimedia operations that produced over 27 million products.
- Trained 50+ soldiers on operating and maintaining audio/visual information equipment.

US Army | Armorer   2014 - 2018
- Supervised over $600,000+ of highly sensitive equipment which resulted in zero loss over 4 years.
- Maintained physical security standards and protocol for a company of 200+ soldiers where the company passed physical security inspections with a perfect track record.

Education

Hack Reactor - Advanced Software Engineering Immersive	2020
Fayetteville Technical Community College - Associate of Science	2015 - 2017
Defense Information School - Basic Television Equipment Maintenance	2013 - 2014