Emmanuel A. Garcia

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TECHNICAL SKILLS

Languages & Frameworks: JavaScript, React, Next.Js, React-Native, Node.js, Express, HTML/CSS, Python
Other Technologies: AWS, MySQL, MongoDB, Artillery.io, NGINX, Mocha/Chai, Postman, Mongoose, Docker
Developer Tools: Git, GitHub, Npm, Visual Studio, Webpack, Babel, Agile, Trello, Homebrew

SOFTWARE ENGINEERING PROJECTS

Personal Website: *Next.js App* – **github.com/emmanuel-a-g/myPage**
- emmanuelgarcia.dev
- A Next.js application with file-based routing, page pre-rendering and a connection to MongoDB Atlas database
- App with the ability for continuous integration and instant release of latest github changes to production branch

Amazon Clone Website: *Single Page Application E-Commerce app* – **github.com/TheThreeDevs/amazon-clone**
- twoamazon.com
- Created a responsive React application that mirrors the functionality of the Amazon E-commerce website
- Managed the state of data with React's Hooks and utilized google's Firebase authentication SDK
- Implemented a full on shopping experience with Sign Up, Log in, and Delete account functionality

Game Service Website: *Full-Stack App with external API* – **github.com/hratx-blue-ocean/pogchamp**
- expwnent.com
- Utilized an external third party API from Challonge.com by implementing a back-end that manages internal data and that interacts with the API and its multiple endpoints
- Configured routing with Express server for scalability and modularity of the app using REST operations
- Deployed app to an AWS Ubuntu running instance and set up the environment with Node.js and PM2

Products API: *Full-Server and Mongo Database* – **github.com/Team-Stubbs/overview**
- Scaled and developed an API to handle up to 1000 RPS with more than 30M records of product data with a Node/Express server hosted on AWS
- Extracted, transformed and loaded 30 million products from CSV files to a custom JSON schema for MongoDB seeding
- Identified slow read queries and indexed MongoDB for faster data retrieval, additionally implemented an LRU Cache for faster response time on most popular products and stress tested with Artillery.io to identify bottlenecks and improve response time of up to 750 RPS

WORK EXPERIENCE

Student Mentor Role, *University of Texas at Austin – Austin, TX*   2019
- Mentored 20 college students, lesson planned, delivered weekly presentations and coordinated with Counselor

Motorcycle Motor Mechanic, Jerry's Motorcycle Shop – El Paso, TX   2019
- Worked fixing motorcycles, reassembling all terrain vehicles, tanks, carburetors and dealing with customers

Marketing Associate, International Study Abroad Oce – Queretaro, Mexico   2019
- Disseminated applications and partnerships with other study abroad offices to keep track of mutual agreements while maintaining vital information documented for in-house storekeeping
- Assisted in developing marketing strategies to increase the number of students interested in studying abroad

EDUCATION

Hack Reactor, *Advanced Software Engineering Immersive – Austin, TX*   2020

University of Texas at Austin, *Bachelor of Science.*, Corporate Communications – *Austin, TX*   2017-2021

PERSONAL ACHIEVEMENTS

- Received a scholarship in Management Information Systems for best student tutor in 250+ class size
- Studied abroad in Mexico for 6 months and interned in a Study Abroad Office
- Student Body President of Socorro High School and Mr. Socorro of graduating class of 2017