Guillermo Oswaldo Hasbun Jr.

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TECHNICAL SKILLS

Front-End | JavaScript (ES5 and ES6), React, HTML5, CSS3
Back-End | Node.js, Python, Express, PostgreSQL, MongoDB, MySQL, RESTful API, FastAPI
Testing/Deployment | Jest, Mocha, Chai, AWS: EC2, K6, Loader.io, Nginx, Test Driven Development (TDD)
Developer Tools | Vim, Git, npm, Typescript, Webpack, Babel, Agile Methodology, Scrum

SOFTWARE APPLICATION DEVELOPMENT EXPERIENCE

Full Stack Engineer Contractor, Casa Beau Monde | *Casa Beau Monde*
pgAdmin4 | PostgreSQL | Figma | JIRA | Redis | AWS   2024
Created and enhanced data capturing system for retailer investments
- Inherited and enhanced existing **PostgreSQL** database to collect client demographics for retailers
- Created **Redis** caching system to lower latency
- Created technical notes, **Figma** flow charts, and Standard Operating Procedures for future engineers

Full Stack Engineer, Parenting on the Spectrum | *Parentingonthespectrum.net*
Node.js | React.js | Material UI | Express.js |Typescript | MongoDB | Jest   2023-2024
Created entire website for an Autism non-profit organization
- Created **MongoDB** models and server routes in **Typescript**
- Integrated **YouTube API** to allow caregivers and children to click on their respective resource videos
- Initiated UI/UX with **MUI**, and achieved 90% accessibility with **Google Lighthouse**

Full Stack Engineer, Shelfshare | *ShelfShare* | *ShelfShare.org*
Node.js | React.js | BootStrap | Express.js | PostgreSQL | Jest | Figma   2023
Created ordering functionality for an open source book sharing app.
- Created **PostgreSQL** schemas & filled tables with initial data, allowing team to test components with **Jest**
- Initiated Order/Borrow/Loaned functionality with scope refactoring to meet a 60% **Jest** app test coverage
- Increased user accessibility after function hoisting with **Google Lighthouse** from 50% to 85%

Full Stack Engineer, Nearus | *Nearus* | Node.js | React.js   2023
Placed second for Waymo AI's sponsor challenge at ShellHacks Hackathon 2023
- Embedded Google Maps functionality via Google API
- Created Initial Google Maps zoom level for user radius input with **React.js**

Back-End Developer, Atelier API Design | *SDC Promethium*
Node.js | Express.js | PostgreSQL | Redis | Nginx | New Relic | Jest | K6 | Loader.io   2023
Transformed legacy ecommerce API into modern microservices architecture
- Enhanced **PostgreSQL** schemas to reduce DB query times from 30s. to 2-5ms.
- Established **Redis** caching to increase 1200 RPS to 3500 RPS with **K6** testing locally
- Deployed 4 **AWS EC2** servers and **Nginx** load balancer to sustain 1500 requests per seconds
- Analyzed **New Relic** data to remove bottlenecks and decrease deployed server latency by 250 ms

Front-End Developer, Atelier | *Project Atelier* | *React.js | Express.js | Jest | PM2*   2023
Created front end critical path functionality for a clothing app's Product Overview section
- Created dynamic gallery scroll for clothing styles with a light/dark mode toggle
- Increased performance with **Google Lighthouse** and compression from 30% to 75% overall
- Raised **Jest** app coverage from 40% to 73% after eliminating cruft and implementing function hoisting
- Utilized **PM2** and **Page Speed Insights** to increase **AWS EC2** performance from 26% to 79%

EDUCATION

Hack Reactor | Certificate in Advanced Software Engineering   2023
Florida International University| Associates of Arts   2012