

# Guillermo Oswaldo Hasbun Jr.

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## TECHNICAL SKILLS

**Front-End** | JavaScript (ES5 and ES6), React, HTML5, CSS3

**Back-End** | Node.js, Express, PostgreSQL, MongoDB, MySQL, RESTful API

**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**, Parenting on the Spectrum | [Parentingonthespectrum.net](https://parentingonthespectrum.net)

*Node.js | React.js | Material UI | Express.js | Typescript | MongoDB | Jest*

2023

*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](https://shelfshare.org) | [ShelfShare.org](https://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](https://nearus.com) | *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](https://sdcpromethium.com)

*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](https://projectatelier.com) | *React.js | Express.js | Jest | PM2*

2023

*Create 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%

## PROFESSIONAL EXPERIENCE

**Allegria Tutoring Center** | *Tutor*

2022 - 2023

- Tutored 20 + students in a 1-on-1 setting for all subjects, from Kindergarten to high school
- Prepared students for FL standardized testing requirements with personalized study plans

**Avanti Products** | *Outbound Logistics Assistant*

2015 - 2021

- Designed loading plans for 100+ clients, instructing warehouse on optimized configurations to load freight
- Analyzed profit analysis by comparing shipping costs and billable dollars to verify shipment profitability
- Ensured customer shipping requirements are implemented by abiding by agreed routing instructions

## EDUCATION

**Hack Reactor** | Certificate in Advanced Software Engineering

2023

**Florida International University** | Associates of Arts

2012