Carlitos Willis | **Software Engineer**

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Technical Skills and Technologies

Front End | JavaScript (ES5/ES6) • React • Redux • jQuery • CSS3 • HTML5 • Styled-Components • Chart.js
Back End | Node.js • Express • Nginx • PostgreSQL • MySQL • MongoDB • Cassandra • AWS CLI/EC2/RDS • Socket.IO
Tools + Techniques | Git • Webpack • Babel • Grunt • Docker • Heroku • New Relic • Trello • Asana • ESLint • Selenium • K6 •
Puppeteer • CircleCI • Jest • Mocha • Chai • Python • Postman • Loader.io • Schema Design • Agile • Test-Driven Development

Software Engineering Applications

/Ezzy Shop | Back End Engineer | *AWS, PostgreSQL, Express, Node.js, K6, Loader.io, Nginx, Redis*
Product listing for general e-commerce site– included product info, reviews, related products, and images

- Decreased response time by 230 to 70 ms by remedying database schema bottlenecks and caching.
- Narrowed database options quickly by using Docker and Grunt to automate setup and testing.
- Boosted load capacity from 200 to 800 RPS with an Nginx load balancer, Redis, and 5 t2.micro instances.

/Yellow Blocks | Full Stack Engineer | *AWS, MongoDB, Express, React, Node.js, Jest, Webpack*

E-Commerce site with image carousel, info sections, and an accordion section with reviews and more

- Cut page load speed to under a second via compression and web-optimizing media.
- Segmented project into microservices and utilized CSS modules to avoid styling and merge conflicts.
- Implemented dynamic and conditionally styled React components to enhance user experience and clarity.

/silentSHOUT | Full Stack Engineer | *Express, React, Node.js, Styled-Components, Socket.IO, Docker*
A secure and volatile instant messaging platform that stores only specified messages

- Utilized Socket.IO and PostgreSQL to instantly transmit messages and store saved messages, respectively.
- Exploited Socket.IO functionality to allow the creation of unlimited unique and untraced chat rooms.
- Dockerized application to simplify deployment and increase scalability.

Experience

Marketer, Graphic Designer, Producer | Freelance | NYC + LA   2018 - PRESENT

- Systematize the creation and marketing of captivating content– augmented by software solutions.
- Partner with community members to teach music and business development and mentor marginalized youth in the Bronx.

Media and Communications Manager | UC Student Association | Berkeley, CA   2017 - 2018

- Increased reach on Twitter & Facebook with ads, analytics, and automation via the Twitter API.
- Led the production of content & promotional materials e.g. publications, brochures, merch, & posts.
- Maintained a very detailed database of media contacts.
- Streamlined communication across departments to aid in copywriting and social media projects.
- Managed statewide online newspaper/blog with a range of contributors across 9 universities.

Education

Galvanize – Hack Reactor Advanced Software Engineering Immersive Program   2020

UC Berkeley | Cognitive Science + Computer Science   2014 - 2017

Fresno City College | Associate of Arts, Interdisciplinary Science   2014