Charles Montoya

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Experience

Software Engineer (contractor) | SMARTSEED, LLC [2017 - Present]

[Reward Club](#) : NextJS | Material UI | Firebase DB
- Built a loyalty program for 2 chicken wing restaurants in Queens, NY.
- Innovated solution to allow mobile check-in and mitigate fraud by way of a cron-job and Google Cloud Functions to update display-tablet in real-time with randomly generated pin every 2 minutes.
- Service has grown to 4000+ users since its first version (PHP) deployed in 2017.

[Smartseed Text](#) : React | Material UI | SASS | Context | Firebase Auth/DB | Twilio
- Designed Web-to-SMS contact form for a roofing client as an alternative to email contact form.
- Improved website as lead generation tool by sending SMS directly to owner when lead comes in.
- Captured 205+ incoming requests for estimates since 2021; generated $1MM - $5MM+ in revenue based on the range of request-type cost; roof repair ($5K+) and new installation ($50K+).

[SMS Marketing Microservice](#) : PHP | Node | Firebase | Twilio
- Designed tablet-based opt-in form (PHP) for sms marketing program for local jewelry store.
- Collected 8,000+ customer mobile numbers used to send promotions to throughout the year.
- Wrote a webhook (cloud function API endpoint) to handle replies and opt-outs.

Senior Documentation Negotiator | THOMSON REUTERS [2015 - 2016]
- Negotiated, designed, and prepared equity derivative contracts facing various investment management firms; led weekly strategic solutions meetings with senior officers.

Documentation Senior Associate | SOCIÉTÉ GÉNÉRALE [2014 - 2015]
- Owned all the post-trade contract disputes for 50+ US clients/funds.
- Reduced outstanding confirmations by 80%+ by migrating clients to Master Agreements.
- Successfully passed CFA Level 3, earning my designation as a CFA charterholder.

Education

UNIVERSITY OF THE PEOPLE
B.S. Computer Science [Expected Graduation: Dec 2024]

LAMBDA SCHOOL
Full Stack Web Development and Computer Science [Nov 2020]

COLGATE UNIVERSITY
B.A. Political Science & Latin American Studies [May 2001]

Technologies

Frontend: React, NextJS, SASS/LESS/CSS, Tailwind, MaterialUI, Redux, React Query
Backend: Node, Express, REST, Firebase, Supabase, MongoDB, PostgreSQL, Sqlite3, phpMyAdmin
Languages: Javascript, TypeScript, Python, PHP
PaaS: Google Cloud