

» The Gist

I have a long and great experience with technology. I was fortunate to receive not only a computer, but a dedicated phone line (Internet for the win!) in 1995. I was fascinated by the essence of solving puzzles and playing strategic games as a child. I soon found, as I taught myself C, that it felt like a game and the internet was the landscape upon adventures I would embark. Now a seasoned Full Stack Engineer, with a knack for leading projects from conception to deployment, I excel in driving architectural design, executing software solutions, and mentoring teams. My expertise spans modern web technologies, including Typescript, Node.js, Python and GraphQL, and I am committed to fostering a culture of continuous learning and innovation.

» Academics

Louisiana State University	2003 to 2005
Computer Science	
University of New Orleans	2008 to 2010
Computer Science	

» Technical Skills

PROGRAMMING / SCRIPTING / QUERY LANGUAGES

JavaScript
Typescript
PHP
Python
HTML/CSS3
SQL/NoSQL
Bash

FRAMEWORKS / LIBRARIES

React JS
Node JS
NextJS
SASS/Stylus
Bootstrap JS
Plotly JS
D3.js
Express
Django
Storybook
Redis
Mongo
BullMQ
Svelte
Jest
Mocha
Cypress.io
WebSockets
Flask

DEVOPS TOOLSETS

GitHub Actions
Gittlab Runner
AWS
Docker/Docker-Compose
GCP

» Technical Experience

FTPC - Contract

Software Engineer / Consultant

Remote
Sept. 2023 to Feb. 2024

- Picked up development of a comprehensive internal application for a pest control company (React, Node.js, GCP: Firestore, GCR, Cloud DNS), streamlining operations and enhancing customer experience.
- Integrated Google Maps for custom mapping solutions (OR-Tools), alongside a client database (Firestore), real-time technician tracking (WebSockets), and a client-facing scheduling portal (React).
- Built an inventory management system to ensure seamless supply tracking and facilitate timely service delivery.
- Incorporated push notifications (Firebase Cloud Messaging) and comprehensive reporting features (Tableau) to enhance communication and data-driven decision-making.

Proof of Impact

Sr. Full Stack Engineer

Remote
Dec. 2021 to Aug. 2023

- Upon start, I took the lead in setting up our design system to reduce redundancy and optimize workflows.
- Worked closely with the product team to integrate A/B testing and analyze heatmaps to boost engagement.
- Optimized GraphQL APIs to enable robust and configurable queries.
- Mentored a team of contracted developers in adopting React best practices, leading to a more maintainable and responsive user interface.

Chegg Inc / Thinkful

Sr. Technical & Engineering Mentor

Remote
Jan. 2020 to Dec. 2021

- Mentored a diverse group of students in full stack engineering, emphasizing the importance of best practices and modern web technologies.
- Provided hands-on guidance and live coding exercises, nurturing wisdom and independent thinking among students.

HoloTrax

Founder

Portland, OR
Nov. 2019 to Aug. 2021

- Founded an Augmented Reality startup with another person from Intel.
- Accepted into a business incubator for the year 2020.
- I worked with Unreal Engine and programmed in C++
- Wrote a mobile app that connected with our primary hardware device.
- Ultimately we folded this project due to lack of funding and technical over head.

Nike - Contract

Sr. Software Engineer

Remote
2019 to 2020

- Led functional data views development utilizing D3.js, working with large data sets and AWS, improving reporting efficiency by 10%
- Worked closely with the product team to understand priority of data views and accessibility
- Developed RESTful APIs and micro-services to optimize inventory tracking and reduce stockouts.

Daimler Trucks - Contract

Sr. Front End Engineer

Remote
2018 to 2019

- Managed and mentored a front-end team, fostering a respectful, pragmatic, and results-oriented culture.
- Developed a NextJS/Typescript frontend enabling faster diagnostic interface for technicians
- Developed WebSockets for low-latency real-time data

Linder Educational Company

Lead Engineer / Architect

Remote
2016 to 2018

- Oversaw all aspects of a greenfield project for a tutoring/educational company,
- Implemented Redis database for caching and developed an event queue with BullMQ to allow for dynamic scheduling for students.
- Created open API specifications for endpoints and developed them using NodeJS and Typescript
- Conducted end-to-end testing with Jest and Mocha
- Managed a team of remote contractors through 2-week sprints.

Leap 4 Life Global (leap4life.com)

Software / Web Engineer

Remote
2013 to 2015

- Developed websites and applications leveraging PHP, MySQL, and JavaScript, optimizing for speed and performance.
- Engineered RESTful APIs for efficient data manipulation, highlighting my commitment to secure and efficient coding practices.
- Integrated Jawbone and Fitbit APIs to track user health data.