Alonzo Sanchez Jr

Full Stack Software Engineer

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http://alonzosanchez.com

Technical Skills

Front End | JavaScript, Typescript, Angular, React, NextJS, Bootstrap, Redux, NgRx, RxJS, Tailwind CSS, HTML5, CSS3
Back End | Node.js, Express, Python, PostgreSQL, MongoDB, MySQL, RESTful API Development, GraphQL
Testing/Deployment | Jest, Mocha, Chai, AWS: EC2 / RDS / S3
Developer Tools | Vim, Git, npm, Nx, Webpack, Babel, Agile Methodology, Scrum, TDD

Professional Experience

Software Engineer | Capgemini | **Angular, Javascript, NgRx, RxJS, HTML5, CSS3, GraphQL**   2021 - 2022
- Consulted with Discover to help develop software that met their technological needs
- Collaborated to develop and maintain internal customer service software
- Assisted in streamlining front end application to become more user-friendly

STEM Tutor | Private Tutor | **Python, Javascript, Java**   2017 - 2021
- 1 on 1 tutoring with high school and college students
- Tutored computer science, college algebra, organic chemistry, and biology

Science Tutor | Texas Southmost College   2019 - 2020
- Tutored college students in computer science, physics, chemistry, and biology
- Coordinated events to attract more students to come in for tutoring
- Organized each student's progress to provide more personal tutoring

Substitute Teacher | Los Fresnos CISD   2015-2016
- Held a permanent substitute position for 9th grade biology

Science Tutor | Lyford CISD   2014 - 2015
- Worked with high school seniors who had failed the biology STARR achieving over 80% passing rate

Education

Western Governors University - Salt Lake City | B.S. Software Engineering   2023 - Present
Hack Reactor | Advanced Software Engineering Immersive Program   2020 - 2021
University of Texas - Rio Grande Valley | B.S. Chemistry   2017- 2020

Software Engineering Applications

Apex AirElectric | Angular, Typescript, NgRx, Tailwind CSS, Vercel, RxJS, EmailJS
- Freelance project worked with 1 other engineer to develop a website for a local HVAC company
- Used EmailJS and Reactive Forms to allow customers to contact the business
- Implemented SEO and Lazy Loading to decrease load times and increase user engagement

Bullseye | React, Node.js, Express, MongoDB, EC2, S3
- Developed a Node.js backend that followed REST architectural style
- Deployed the service on EC2 instance and served up photos with AWS s3
- Utilized React to create an interactive and intuitive user experience