

Dean D Draper Jr

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Full-stack software engineer with twenty years of experience. Specialization in SPAs using React/TypeScript with Redux. Proficient in Node, Express, MongoDB, SQL and Docker. AWS Certified.

Technical Skills

Front-end: JavaScript, TypeScript, React, Bootstrap, Material UI
Back-end: Node.js, Express, REST API, MySQL, PostgreSQL, MongoDB, Winston, Nest.js
Workflow: Git, CI/CD, Jira, Confluence, GitKraken, Webpack, NPM, Postman, OpenAPI documentation, pgAdmin
Deployment: AWS, DigitalOcean, Docker, NGINX, custom VPC configuration

Professional Experience

Anelto Inc. // Full-stack software engineer

Aug 2021 - Oct 2022

Built remote patient monitoring dashboard for healthcare providers

- Created UI elements using React/TypeScript with Redux, Router, Formik, Yup, RSuite, Bootstrap and many more
- Developed an asynchronous, distributed microservice platform using Node.js, TypeScript, Express, SNS/SQS
- Worked daily following agile methodologies with Jira and Confluence
- Personally designed and implemented a video telehealth platform for the dashboard using the Twilio API
- Created a generic state machine to make updates to patient program lifecycles more easily maintainable
- Extensive experience codifying and documenting processes, and writing Open API documentation
- Updated or wrote unit tests for all changes to the API

Personal Experience

Database performance tuning project for workspace share application

Mar-Apr 2021

- Converted unstructured document database to SQL to make querying information easier and quicker
- Applied indexes to all commonly queried fields and LFU caching to improve response time
- Set up a load balancer, reverse proxy and caching and scaled horizontally to further improve speed
- Stress-tested with Loader.io, achieving 1100 requests per second with an average 18ms response and 0 errors
- Enhanced security of VPC by customizing IGW, creating private subnets, and creating custom route tables
- Dockerized application to improve deployment efficiency

Discord streaming music bot - plays music from computer in Discord channel

Apr 2022

JavaScript's Little Things - educational website

Mar 2020 - Apr 2021

Single-page application for users to create, view, and practice JS tips and tricks by category

- Implemented user authentication and OAuth for Github and Google sign-in
- Created REST API with PostgreSQL database to store users and posts

Shifting Your Perspective - The world's best druid blog

2015 - 2018

A website that taught players how to improve the performance of their druid characters in WOW

- Integrated with wowhead.com to provide picture tooltips
- Used WOW Armory API to display top player's stats and builds
- Created blog page using PHP bulletin board plugin

Move Dumbass! - A WOW interface addon

2010

An addon that would alert you with a giant "!" when your character was taking avoidable damage

- Polled real-time combat log data for damage that wasn't direct combat hits
- Event triggers would update your HUD with "!" until you stopped taking the avoidable damage for a full second

Education

Hack Reactor

2021

Immersive Software Engineering Program

Baylor-Hankamer School of Business

2015

Salutatorian of class on entrepreneurship and business management

Certifications

AWS Certified Cloud Practitioner - Cert no. 399766454