Daniel Lowe | Fullstack Software Engineer

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React + Node developer who loves creating engaging applications across the entire stack

WORK EXPERIENCE

DotAlign: Fullstack Software Engineer, 2017 to Present
A cloud-based automated CRM and networking application using email data

Docker / Kubernetes migration: Led port from Windows app to cloud container architecture, improving ability to deploy at scale

- Containerized app logic and standardized deployment and service configuration
- Designed and implemented Kubernetes orchestration for pods and services
- Automated pod deployment through PowerShell script and eventually REST API service
- Reduced container cost from $50/day per user to $0 by limiting I/O to network file storage

DotAlign Portal: Frontend component-based UI and backend for users to interface with cloud app

- Built from the ground-up using Elm functional frontend framework
- Created foundational/reusable components based on designer style guide
- Responsive CSS grid layout, compatible with IE10+ and modern browsers
- Created service layer to communicate with microservices backend
- Implemented auth middleware and admin consent flow for MS Graph REST API
- Configured Azure deployment and app registration

DotAlign React Website: Redesigned the frontend web site in React

- Created using Typescript and Redux for state management
- Responsive layout using bootstrap column/row design, scss/css
- Compatible across Chrome, Firefox, Safari, Opera, Edge, and IE9+

SOFTWARE PROJECTS

Barter, 2019: React native mobile app that lets users trade items with each other. Neo4j graph database, GraphQL API, and Azure Functions microservice backend. React hooks for state management.

https://www.GoSOSeo.com, 2017-2018: online SEO tool made with React + redux on the frontend, node REST API web server on the backend. Deployed and used daily by users.

Tap 3, 2016: Mobile, reflex-based matching game made in C++ using the Cocos2d game engine. Over 5,000 downloads and played daily on iOS and Android.

SKILLS

Frontend: react, react hooks / context, redux, react native, typescript, javascript, apollo, html5, css / scss, responsive design (css grids, flexbox, bootstrap), webpack

Backend: node, ES6/7, azure functions, graphql, docker / kubernetes, sql, orms (sequelize, entity framework, neo4j ogm), neo4j, cypher, .NET (core and framework)

EDUCATION:

Fullstack Academy of Code NYC, 2017
Clemson University, Bachelors of Science Marketing, GPA 3.73, 2006-2009