Danny Allegrezza

Software Engineer

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» employment

EBSCO Information Services (NoveList division)
Software Engineer II – CSM

Durham, NC
Dec. 2017 to Current

- Maintain, extend, optimize and deploy all platform products that leverage **C#/ASP.NET**, **React**, **Backbone.js**, **node.js**, **SQL Server** and deployed through a **Jenkins/Octopus Deploy** powered CI/CD pipeline.
- A personal hackathon project was transformed into a production deployed service that is now used by thousands of customers. Designed a microservice oriented architecture, powered by **.NET Core**, secured by **OAuth2/OIDC** and **JWTs**, and consumed by a **React.js** SPA web app that utilizes **Redux** and client-side caching to deliver an optimized user experience.
- Reduced initial load time on **LibraryAware.com** web app by nearly 80% after profiling application through **AppDynamics** and optimizing poorly performing SQL generated by **EntityFramework**.
- Mentored junior developers through lightning talks, code review, pair programming, and architecture design.

aWhere
Software Engineer

Remote – Durham, NC
May 2016 to Sept. 2017

- Created a **C#** library that was used to improve accuracy of company's weather model by extracting global weather data from NASA GPM satellite.
- Reduced operating costs by advocating the adoption of open-source software which allowed core services to now be deployed on more affordable Linux VMs.
- Built new client-side SPA (https://apps.awhere.com) using **Vue.js 2**, **OpenResty**, **WSO2 Identity**, and **.NET Core Web API** deployed to **AWS** on Linux virtual machines.
- Helped develop ETL pipeline for customer-facing **PowerBI** Embedded report that consumes data from **Azure SQL** database.
- Extended the automated build, test and deployment pipeline using **BitBucket**, **Team City** and **Octopus Deploy** which led to one-click deployments.

B2R Finance
Software Engineer

Charlotte, NC
Aug. 2015 to Apr. 2016

- Created RESTful services using Java Spring which were utilized by the company's mobile and web platforms.
- Designed and developed a secure web-based messaging system that integrated secure communication between the business and customer, integrating responses into the organization's Salesforce.com environment.
- Championed adoption of source control (git hosted on BitBucket) which was integrated into the software development pipeline, resolving numerous existing issues due to lack of source control.

Sirius Computer Solutions (previously known as Varrow)
Software Engineer

Greensboro, NC
May 2014 to Aug. 2015

- Creating a form-driven web-app that utilized the Box.com API to fetch and prepopulate form data based on user input, reducing the process length from nearly 30 minutes to 3 minutes.
- Acted as lead developer and point of contact on client-facing software project which generated 150k in total revenue.
- Created a new internal monitoring dashboard used by the Network Operating Center team using **node.js**, **Express,** and **Jade** templating engine.
- Integration of the Salesforce.com API into an existing legacy C# WPF desktop application, saving users time by syncing data into the organization's Salesforce.com environment.

Pixels
Web Developer

Greensboro, NC
May 2013 to May 2014

- Developed bespoke websites for agencies customers, transforming designs from PSD files into modern **HTML/CSS**, implementing CMS functionality through the use of Drupal and WordPress.
- Built web-app which recommends courses of interest to middle school students transitioning into high school using **JavaScript** and **PHP**.
- Created a Drupal plugin module, written in **JavaScript**, which allows site administrators to quickly display an emergency alert banner across their website.
- Maintained customers DNS, ensuring high availability, security, and resolving and hosting related issues within SLA limitations.

» skills

PROGRAMMING LANGUAGES: C#, JavaScript, Java, Python, PHP, C
WEB TECHNOLOGIES: JavaScript, HTML/CSS, React, Redux, Vue.js, Gatsby, Webpack, Bulma, Bootstrap, JWTs
DATA STORAGE: SQL Server, MySQL, PostgreSQL, Azure SQL, Elastic Search
OTHER: Object Oriented Programming, Functional Programming, Microservice architecture, RESTful APIs, Agile Development , CI/CD (Jenkins, Octopus Deploy, Netlify), Git, Docker, Amazon Web Services, Azure, UNIX

» projects

Pomodoro Flashback
Open-source Chrome Plugin that features a Pomodoro timer which in addition to tracking your Pomodoro session history, tracks your browsing history and time spent on each page. Utilizes **JavaScript** and browser local storage.

GT86 Registry
Created a custom, reusable platform which connects automobile enthusiasts together online. Allows users to create a profile, submit their vehicle to an unofficial registry, message members and view a global map of all members. Created using **.NET Core**, **Web API**, **EF Core**, **Vue.JS**, **D3.JS**, **PostgreSQL**.

dannyallegrezza.com
My personal website and blog. Built using **Gatsby.js**, **React**, **GraphQL**, **Bulma**, deployed automatically with each deploy to master branch through **Netlify.**

» education

Guilford Tech Community College
A.A.S Networking Technologies 2009
A.A.S Computer Programming 2014
Dean's List