Ben Sherertz

Full Stack Developer

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EXPERIENCE

CGI — *Senior Developer (formerly Daugherty Business Solutions)*
Client: Bayer

SEPTEMBER 2020 - CURRENT

https://www.cgi.com/ | http://www.daugherty.com/

Role — R&D:

- Daugherty was formally acquired by CGI in 2025 and the position was retained throughout this process.
- Worked on developing new api's, lambdas, and architecture to support internal and external integrations for our supported crop types and workflows.
- Worked on React ui components, graphql implementations, and db updates to resolve performance issues where needed.
- Creating and resolving all aws implementations and permissions issues and collaborating with external teams and their aws accounts or other cloud provider (azure or gcp) to work where needed on their platform.
- Created the system in which we processed "projects" containing associations between samples, their traits, markers, and data relevant for internal and external integrations to work successfully throughout that projects lifecycle and delivering them where they needed to be at their end-state.
- Created and maintained the continuous delivery of data to bigquery, schema updates, and backfill methods.

Role — Internal systems development and maintenance:

- Working on the configuration and creation of new libraries, cli's, and microservices to support developers across all teams using Node.Js, React, AWS (all products and serverless instances), Python, Postgres, MongoDB, azure, and other cloud instances.
- Provided support for developers/teams for bug fixes, new feature implementation, databases, cron jobs, and addressing unresponsive services from monitored jobs.
- Created new infrastructure and architecture on AWS for "Lightning Express", a low-cost continuous delivery pipeline for static websites backed by a cdn, serverless infrastructure, project-generator, cloudformation template, and cli for use with all existing developer-team ci/cd pipelines and AWS accounts.
- Migrating older implementations made with Coffeescript, Elixir, Scala, or MongoDB into Node.js/postgres.

OBJECTIVES

To join and actively work at a company that fulfills my needs to pursue various projects and improve my skill-set while having a normal work/life balance in a remote workplace.

Web Focused Development
With an emphasis in Node.js, TypeScript, AWS, javascript, and progressing knowledge in cloud technologies.

Progressing Software Development
Desire to improve knowledge and skills in all programming languages and environments, recent experience is AWS infrastructure and creating custom architected solutions for Node.js based services, lambdas, and static sites.

LANGUAGES/PLATFORMS

AWS (all product offerings), Fargate, Node.js, TypeScript, Javascript, React, GraphQL, DynamoDB, Azure Service Bus, AD/Microsoft Entra ID, C#, Entity Framework, SQL, .NET, MVC, Java, Spring, Docker, Kubernetes, Kafka, SharePoint, Powershell, GCP, Bash, PHP, Python, Meteor.js, Mongo DB, Angular, React, Javascript, jQuery, HTML 5, HTML, CSS 3, CSS, JSON, SOAP, Restful API, Postgres.

Maritz — *Lead Analyst/Developer* (contract then full-hire)

JANUARY 2016 - SEPTEMBER 2020

http://www.maritz.com/

- Working on the configuration and creation of new libraries and microservices for our new Saas offering using Java, Spring, Kubernetes, Kafka, Docker, SQL, MongoDB, and Lit Html.
- Maintained the client's business and client-facing websites, databases, cron jobs, and created new implementations using java, sql, javascript, and bash.
- Created new SAML/SSO security implementations and rest api's for websites and mobile apps.
- Migrating older Java/VB/DB implementations onto newer versions/frameworks.
- Created calcs, report generators, and stored procedures that develop large report tables based on several types of transaction-based data for making important business decisions.

Coolfire Solutions — *Web/Software Developer*

NOVEMBER 2014 - NOVEMBER 2015

http://coolfiresolutions.com/ | http://www.coolfire.com/studios/work/reconn5

- Worked with a team of two other C# developers to create a core product called "Camp".
- Increased knowledge of SQL, Linq, Entity Framework, Java, .NET/C#, creating API's for Android/iOS and tests for actions.
- Worked with a great team of developers to create new ideas and innovative solutions for projects that were challenging to meet.
- Created custom hardware (usb dongles) for use with one of our core products, called "Ronin" (Real-time-situation- awareness app), for communicating to military-spec Harris radios.

Quilogy/Aspect Software — *Web Developer*

SEPTEMBER 2009 - NOVEMBER 2014

http://digital.aspect.com | http://www.aspect.com

- Created website designs with responsive layouts and graceful fallback with compatibility in mind, user interface creation and graphic design.
- Created the working example for a proof-of-concept called **Next Generation Customer Contact** that is now a product offering.
- Developed SharePoint branding (2007, 2010, 2013), feature customization and configuration.
- Created large websites, microsites, ecommerce sites, blogs, SharePoint, and Wordpress sites for fortune 500 companies.
- Turned comps into responsive and lightweight wireframes.
- Completed several Microsoft exams to be certified in Front-end development and basic application development for SharePoint.

Genome Design Suite — *Portal for GDS/breeding projects*

AWS, Node.js, TypeScript, Postgres, Fargate, SNS, SQS, lambda, Kafka, React, Azure, Service Bus, BigQuery

Created the api, database, graphql implementation, and several lambdas for the genome design suite, a service used to create "projects" that provided a centralized means for creating, maintaining, approving, and controlling samples at a high and low level along with being made available for internal and external services responsible for other sources of data for these samples. The main goal of this solution was to provide a means to support a project from start to finish from one site and remove deprecated or manual means to deliver these same results automatically and agnostic of crop and workflow type.

Lightning-Express — *AWS backed low-cost hosting solution*

AWS, Node.js, DynamoDB, Fargate, SNS, SQS, lambda/@edge, Python, S3, Cloudfront

Created a low-cost continuous delivery pipeline for static websites backed by a cdn, serverless infrastructure, project-generator, cloudformation template, and cli for use with all existing developer-team ci/cd pipelines and AWS accounts. The main goal of this solution was to cut costs as significantly as possible, in some cases as much as 90% (when migrating from ECS) and to improve the load-time of the site. Additional enhancements include a significant reduction in deployment time, cached-asset refreshing, and availability (globally).

Behavior Insights — *Saas offering for b2b/b2c companies*

Spring, Java, Docker, Kubernetes, Google Cloud, SQL, MongoDB, Kafka

Worked with several teams on developing the Saas platform for Maritz, a versatile platform featuring a distributed microservice and kafka oriented structure, datalake reporting, and third-party integrations. The focus of the platform was a reward/incentive platform for engaging consumers and employees in creating claims, recognitions, training engagement, and competition with other users/businesses.

Lexus/Nissan/Infiniti — *Portals/Apps/Web services for client.*

SQL, Java, Bash, Javascript, CSS, HTML, Visual Basic, API

Worked with another developer to create/maintain several new features, as well as day-to-day operations of a client's existing jobs, reports, form submissions, updating database tables/flags and handling issues that came up that required a high-level and low-level overview for solving these issues. Converted older implementations of websites to newer versions/frameworks with newer security and rest api available for use with new websites and mobile apps.

CAMP — *App store/CMS/Portal for military/enterprise use.*

C#, SQL, Entity Framework, MVC, Javascript, CSS, HTML

Worked with a team of two other developers to create a core product called "Camp", a versatile app store created using an MVC pattern, Entity Framework, Linq, and C# with a SQL db. The admin portal supported the client's mobile phone apps and contained a content management system, device authentication system and provisioning system for admins, giving users/user groups access to apps and other content.

Tactical CAMP — *App store/CMS/Portal for military/enterprise use.*

Meteor.js, Mongo db, Full-Stack Environment, Javascript, CSS, HTML

The first implementation of CAMP was written with Meteor.js and handled with Mongo DB as a full stack javascript-based environment. This full-stack app was created to be used/hosted on linux, windows or OSX.

PKaufmann — *Client portal*

C#, SQL, Javascript, CSS, HTML

https://pkcontract.com

Updated the responsive layouts and features for an existing client's site for searching for fabrics and updated a color picker search for ipad.

Winchester — *SharePoint/Wordpress sites*

C#, SharePoint, SQL, AngularJS, PHP, Wordpress, Javascript, CSS, HTML

http://www.winchester.com | http://blog.winchester.com|
http://www.winchestergear.com

Updated the user interface, seo, and javascript for an aging winchester.com. Created a new site for featured articles and brand-celebrities, called blog.winchester.com. Created the layouts based on supplied comps for the ui, tagging, articles, responsive layouts and the blog post loading function. Created a new ecommerce site for winchestergear.com based on network solutions backend.

Monsanto — *SharePoint sites*

C#, SharePoint, SQL, Javascript, CSS, HTML

http://www.aganytime.com | http://www.channel.com |
http://www.jungseedgenetics.com | http://www.genuity.com
| (and most of Monsanto's other brands listed on this page)

Created master pages and page layouts for many of the sites, javascript functions for interfaces/tabs/calculators/seedfinder, connected web services via SOAP calls to bring back data based on region/zip-code, css/javascript changes for responsive layouts (emphasis on iPads). Created xml/xslt for formatting data being brought back from these calls.

Eveready — *SharePoint/Microsite*

C#, SharePoint, SQL, Javascript, CSS, HTML

http://eveready.com

Updated all pages across the site, implemented special sliders and functions for new responsive layouts across the site and created the graphics for missing content.