Daryl Walsh

Full-Stack Application Developer with
extensive DevOps/GitOps experience

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Daryl Walsh PDF

QUALIFICATIONS

front-end

`Javascript` `TypeScript` `HTML` `CSS` `jQuery` `SASS` `Bootstrap` `Emotion` `Bulma` `CSS-in-JS` `React Spring`

libraries

`React` `React Native` `React Hooks` `Redux` `GraphQL` `Next.js` `Gatsby` `Express` `Vue` `Angular`

middleware

`Node` `Phoenix` `PHP` `Ruby on Rails` `Spring Boot`

testing

`Jest` `RTL` `Cypress` `Cucumber` `Karma` `Protractor` `Puppeteer` `Chai` `Mocha` `Selenium`

scripting

`Elixir` `Python` `Go` `Shell Scripting`

database

`Postgres` `MySQL/MariaDB` `SQL Server` `Oracle` `MongoDB` `Redis` `TinkerPop`

devop technologies

`Ansible` `Docker` `Docker Compose/Swarm` `Kubernetes` `Helm` `Git` `Postman` `Terraform` `Travis-ci` `Circleci` `Jenkins` `Linux (CentOS/RedHat, Debian/Ubuntu, Arch)`

cloud

`Amazon Web Services (AWS)` `Google Cloud Platform (GCP)` `Digital Ocean (DO)` `IBM Cloud` `Amplify Serverless`

RECENT PROJECTS

www.reactolatry.io

github.com/darylwalsh/ecto-phx-gql-react

Full Stack React with GraphQL via Apollo/Absinthe resolving to a Phoenix/Ecto schema in front of a Postgres db

Deployed via Docker containers on a Kubernetes cluster with Helm charts

www.hooroo.sh

gitlab.com/darylwalsh/hooroosh

Front end: TypeScript, React, Webpack, Bulma, Apollo

Back end: Elixir, Phoenix, Ecto, Absinthe, GraphQL, Arc, ExAws, PostgreSQL

stage.smallbatchreact.io

github.com/darylwalsh/small-batch-react

App deployed on AWS via Docker/k8s as discrete microservices:

- users - server-side Flask app for managing users and auth

- client - client-side React app

- nginx - reverse proxy web server

- swagger - Swagger API docs

- scores - server-side Flask app for managing user scores

- exercises - server-side Flask app for managing exercises

Tools and Technologies:
* Python
* Flask
* Docker
* Postgres
* Node and NPM
* React
* Cypress
* Swagger
* Amazon Web Services (AWS)

Microservice Architecture, Test-Driven Development (TDD), Continuous Integration (CI), Continuous Delivery (CD), Code Coverage, Code Quality, Token-based Authentication, Containerization, Container Orchestration, Serverless Architecture

gitopsreact

github.com/darylwalsh/gitopsreact-dot-com

Test-Driven Development (TDD) throughout the project

Cucumber, Mocha and Selenium to write E2E, integration, unit and UI tests

Stateless APIs using Express and Elasticsearch

Documented API using OpenAPI and Swagger

Build and bundle front-end using React, Redux and Webpack

Containerized services using Docker

Deployed scalable microservices using Kubernetes

EXPERIENCE

ExamBuilder

Javascript, React, Bootstrap, CSS, HTML, Oracle

Role – Developer - Contract

Developed update version of ExamBuilder's exam building application which is used by companies such as UBS, Microsoft, Medtronic to build, administer and track exams given to employees.

• Worked with another developer to formulate a Ruby on Rails REST style framework (no code generation, only for organizing code).

• Divided actual building of application with 2nd developer so each developer was responsible for all aspects (front-end and back-end/full-stack development) of their part of the application.

• Calls to Oracle database were made to Oracle stored procedures via REST interface

• RESTful Interface used to deliver data to front-end and to validate and write data to Oracle database.

• Front-end written in HTML, CSS and Javascript using javascript based React.

• ExamBuilder application in production for a decade was updated after we completed development and our code is currently in service to companies in the U.S., Canada, Europe and Asia.

Avanzado

React.js, Bootstrap, Express, Node.js, GIT, HTML/HTML 5, CSS/CSS3, Responsive Design, Ansible

Developed and maintained web and intranet applications for printing industry clients.

Also designed and developed Ansible based process to migrate hosting from on-premise to cloud.

ADMI

Node, React, GIT, HTML, CSS, Bootstrap, Responsive Design, Oracle

Developed extranet applications to interface with external clients and allow client self-service/data retrieval for auto industry clients.

Blue Cross Blue Shield of Michigan

Angular.js, SQL Server, Bootstrap, SASS, ColdFusion, Express, Node.js, Jasmine, bower, grunt, GIT, HTML/HTML 5, CSS/CSS3, Responsive Design, Ajax

Lead developer on a project to build on internal application to facilitate internal application development, approval and source control at Blue Cross and Blue Shield of Michigan in downtown Detroit.

dotomi

Angular.js, MongoDB, Express, Node.js, Protractor, Karma, Jasmine, bower, grunt, HTML/HTML 5, CSS/CSS3, Responsive Design, Ajax

Contract Web Developer for an external, responsive Client Access Portal built in angular.js, node.js, Express, MongoDB.

Using Protractor for automated end to end testing and Karma for unit testing.

The CAP (Client Access Portal) project served as a model application for development using the MEAN platform with automated testing.

Discovery Communications

jQuery, Javascript, Angular.js, require.js, HTML/HTML 5, CSS/CSS3, jQuery Mobile, Foundation, Bootstrap, Ajax, Flash, PHP, CFM, Ajax

Contract Web Developer for various projects including:

http://stem.discoveryeducation.com/

http://www.toyotateendriver.com/

http://educationstation.discoveryeducation.com/

http://www.discoveryeducation.com/

plus additional sites.

Highlights included:

Convert Education Station to a responsive design using Foundation

Convert Toyota Teen Driver to a responsive Drupal site.

Implemented Angular.js forms on various sites.

Implemented require.js to optimize on-demand javascript loading

Set up video delivery using node.js and HTML5

Set up a 'Golden Ticket' contest, including all database and front-end development.

Transformed a 90-minute manual procedure into a 30-second automated one (per batch of 100 clients), dramatically increasing operational efficiency.

Integrated with external APIs to read and write to CSVs, produce and rasterize PDFs, and send emails.

Chicago Sun-Times

HTML/HTML 5, CSS/CSS3, jQuery, Ajax, Flash, PHP, Ruby on Rails, Python/PERL, JSP, CFM, Ajax and Cache

Senior Developer for various projects including:

Generally responsible for maintenance and new development for all Chicago Sun-Times properties, desktop/mobile/tablet:

• Chicago Sun-Times

• 32 Pioneer Press Suburban papers

• 8 Suburban Daily paper

• Chicago Reader

• The Daily Splash

• Season Pass (High School sports site)

Highlights included:

• Re-skin all Pioneer Press Publications;

• Implemented a pay wall for the Sun-Times;

• Implemented interstitial ads for the Sun-Times;

• Implementing social media log-in and connected it to the back-end CMS throughout Sun-Times online properties, including desktop, iPad and Android/iOS handheld devices

• Set up streaming video using node.js and HTML5

• Mentored newer developers

Sears Holdings Corporation
Ajax, HTML, CSS, jQuery, HTML 5, Python, Proprietary CMS

Contract Web Developer for various projects including:

completing a rewrite of sears.com consumer-facing e-commerce site to integrate social media into the user's shopping experience, optimize CSS/HTML;

responsible for maintenance and updates of in-production applications via jira ticket system.

Chicago Tribune Media
Ajax, HTML, CSS, jQuery, RoR, PHP, JSP

Contract Web Developer working on various Tribune Company media properties including developing a Flash/Flex Facebook application for the NCAA March Madness tournament as well as maintaining in production applications.

Utilized jQuery, Prototype, CSS, xHTML, Ruby on Rails, PHP, JSP

Alcatel-Lucent
JavaScript/jQuery, ColdFusion, CSS, HTML, AJAX, Selenium, CFM, Oracle, JSP

Key developer on the CARES 10 project, worked on feature upgrades from technical design to coding and development to UAT and deployment.

PEPSICO Chicago (Quaker-Tropicana-Gatorade)
JavaScript/jQuery, ColdFusion, CSS, HTML, AJAX, Selenium, CFM, Oracle, JSP

Role – Developer Contract

• Maintained and upgraded PEPSICO's core Supply Chain Replenishment (SCR) application which combined a web-based front-end with an Oracle 9i/10g database.

Additional responsibilities:

• Maintained PepsiCo's shipping application CODA (HTML/CSS/js with an Oracle back-end)

• Provided support for a jsp Documentum application.

Nerdwerx-JJCamper
ColdFusion, Model-Glue, CFAJAX, CSS, HTML, SQL SERVER 2000

Role - ColdFusion Developer - Contract

• Developed public site for recreational vehicle sales and storage;

• Developed administration application to allow updating of site content and product inventory; admin application also allows management of sales leads and RV storage rental. Public site allows secured processing of storage payments.

AARP
ColdFusion and SQL SERVER 2005

Role - ColdFusion Developer -Contract

Developed reporting system for new AARP ecommerce site, including over 30 reports on sales, keyword searches and site use. Also performed customization, upgrades and maintenance to ColdFusion based ecommerce package.

Chicago Humanities Festival
JavaScript/jQuery, CSS, HTML, AJAX, CFM, SQL Server

Role - ColdFusion Developer -Contract

• Lead ColdFusion Developer on project to create 2006 version of the Chicago Humanities Festival Website in ColdFusion and SQL SERVER.

Eshots, Inc
MySQL, ColdFusion, JavaScript, HTML, AJAX

Key Deliverables - Convert Eshots event manager application from one database back-end to another.• Convert an application written in CFMX with a MYSQL back-end database to an updated SQL Server database structure.

• Program user-interface enhancements in AJAX and ColdFusion

• Update XML scripts for loading Eshots primary product to its central server.

• Worked directly at the client site

- 90% new development, 10% maintenance

Lightology, Inc
SQL Server, Progess, ColdFusion, Java, JavaScript, HTML, AJAX, Flash

Role -Lead Developer for Lightology.com

Key Deliverables:

--Maintain legacy Lightology e-commerce site and related Intranet and Project Manager Applications and convert site and applications to Lightology's new ERP system.

Full Lifecycle Application Development, Application Maintenance

- Maintain and upgrade Lightology's existing Web, Intranet and Project Manager applications

- Convert Lightology's existing Web, Intranet and Project Manager applications from one ERP back-end to another.

- 80% new development, 20% maintenance

Discover Financial Services
SQL Server, ColdFusion, Flash, JavaScript, HTML

Key Deliverables -- Developing enhancements and providing support for a learning management system.

Full Lifecycle Application Development, Application Maintenance

- Convert an application written in ColdFusion 5.0 to a Flash front end with ColdFusion.

- Program user-interface enhancements in Flash and ColdFusion

- Working directly at the client site on a team of four people

- 70% new development, 30% maintenance

AMD Industries
SQL Server 2000, ColdFusion MX, Visual Basic, Flash, JavaScript, HTML

Key Deliverables - http://www.amdpop.com, System Conversion to Web-based Portal, Full Lifecycle Application Development, Application Maintenance

- Converted AMD's legacy VB/SQL Server 2000 Ordering/Shipping system to a Web-based portal using ColdFusion MX/SQL Server 2002

- Also added the ability for AMD's customers to place orders via the Web, view Order status and generate custom Excel reports

- Order status and generate custom Excel reports

- Programmed user-interface enhancements in JavaScript and Flash

- Worked directly with the client on a team of two people

- Responsible for full lifecycle of the application: Design, Coding, Testing,

- Worked directly with the client on a team of two people

- Responsible for full lifecycle of the application: Design, Coding, Testing, Debugging, Implementation, User Training

- 90% new development, 10% maintenance

Liquidprint
SQL Server (7.0/2000), CFM, ASP, XML, JavaScript, Flash, Oracle, Access, HTML, ActionScript, CFC's

Role - Web Application Developer

Key Deliverables - Web Site Application Development / Maintenance, Database Design / Development, ColdFusion/ASP Coding, Client Communications, Full Lifecycle Development

Responsible for the development of applications for numerous client web sites and intranets, which typically use CFM, ASP, JSP, SQL Server (7.0/2000) for development

Worked solo or on teams ranging from 2 to 6 people

Functioned as the database designer/developer and ColdFusion/ASP Coder back-end with occasional front-end responsibilities

Frequent client interaction

Full Lifecycle Development as well as code maintenance (50/50)

http://www.grossinger.com

Programmed entire site, including content management portion

- Fusebox site

- Does daily inventory imports using XML into SQL Server

http://www.hometouch.com/

- Intranet---Extensive Leads Management System for Buyer Representatives

- Utilized XML to share Buyer lead data among various back-end systems

- Fusebox Application

http://www.fsboillinois.com

- Programmed entire site, including back-end to allow client to update site

- Fusebox site

http://www.portcement.org/

- Responsible for maintenance of this ASP site

- ASP and SQL Server

http://www.prufoxroach.com/pfrpublic/

- Programmed SOAP calls using XML

- Oracle database and ASP.Net site

Additional projects worked on include: http://www.gmacrealestate.com/ http://www.performancebike.com/ , http://www.carlsonre.com/

EDUCATION

Business Information Systems (BIS)
Michigan State University
Bachelor of Arts
Alma College