Daryl Walsh

Full-Stack Application & Front End Developer with
extensive DevOps experience and increasing LLM
exposure & knowledge

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QUALIFICATIONS

frameworks

React | React Native | React Hooks | TanStack(React Query) | Remix | Redux | GraphQL | Apollo | Node
Next.js | Express | Fastify | Nest.js | Expo | Vue | Qwik | Django

generative-ai

LangChain | LlamaIndex | Semantic Kernel | HuggingFace models/transformers | GPT-2/3/4 | Gemini/BERT
Jupyter Notebooks | TypeScript (ITypescript/OpenAI API) | Ollama | LangSmith

front-end

Javascript | ES5, ES6, ES7-14 | TypeScript | HTML | CSS | Tailwind | StoryBook | jQuery | SASS | Bootstrap
Emotion | Bulma | CSS-in-JS | Styled Components | Atomic | Shadcn UI | Materialize

middleware

Node | Nest.js | Fastify | Spring Boot | Ktor | Python/Flask/FastApi | Phoenix | Pipedream

testing

Jest | RTL | StoryBook | Cypress | Playwright | Cucumber | Karma | Protractor | Puppeteer | Chai | Mocha
PyUnit | JUnit | Selenium

database

Postgres/pgvector | MySQL | SQL Server | Oracle | MongoDB | Redis/Redis Stack/Vectors | GraphQL
liquibase | Prisma | DrizzleORM | Pinecone | ChromaDB | DuckDB | Neo4j

devop technologies

GitHub Actions | Docker | Kubernetes | Terraform | Helm | Ansible | Docker Compose | Jenkins | Postman
Linux (CentOS/RedHat, Debian/Ubuntu, Arch) | LangSmith | Pipedream

cloud

Amazon Web Services (AWS) | Microsoft Azure (AZ) | Google Cloud Platform (GCP) | Digital Ocean (DO)

scripting

Shell Scripting | Python | Elixir | Lua | GPTscript

ui design

Adobe Creative Cloud Tools | Sketch | Figma | GIMP | Balsamiq | Visual Copilot

EXPERIENCE

Juicy Miles LLC
January 2023–November 2023

Role – Senior Developer - React NextJS Java AWS Docker Kubernetes Github Actions

Developer maintaining various public and internal applications and web and mobile presences

• Spearheaded projects to migrate infrastructure from AWS ECS to Kubernetes and EC2 via IaC with Terraform,
Helm and GitHub Actions

- Migrated individual applications written in Java and Next.js from GitLab and CircleCI to Github and Github Actions and ultimately to Kubernetes on AWS EC2
- Lead project implementing Cypress e2e testing throughout the front-end Next.js app
- Converted Next.js application from NextAuth to Auth0
- Utililized StoryBook to document and test components
- Converted Express API to Nest.js for retrieving data from Postgres
- Completed various front-end/CSS, React/Next.JS and Java/Kotlin coding JIRA stories in Agile two week sprint environment

Nexient LLC
December 2019–November 2022

Role – Senior Developer - React Vue Java AWS Docker Ansible Jenkins Kubernetes IaC

Consultant working directly with clients, including Williams-Sonoma, Levi's and PG&E (see details of each below)

Nexient -- Williams-Sonoma
January 2021–September 2022

Role – Senior Developer - Vue React Java AWS Docker Ansible Jenkins Kubernetes

Developed multiple features for WSI's various ecommerce sites and apps: fabric swatch guide, related products components, pricing component, accessibility and general enhancements and maintenance of the WSI product micro-frontend

- Worked as part of a team dedicated to the product micro-frontend component of WSI's web properties
- Front-end code in VueJS with React for development and MFE
- Front-end written in HTML, Tailwind CSS and Javascript based Vue with React MFE.
- Spring Boot REST API
- Unit tests written in Jest and JUnit, end to end testing via Playwright
- The transition of the back-end from pre-Spring Java to Spring Boot and the front-end to a micro-frontend architecture created various day to day development challenges
- Internal application to manage microfront end app development written in React
- Utililized StoryBook to document and test components
- Mentored newer developers and assisted with overcoming the challenges presented by the transitioning development environments

Nexient -- Levi's
June 2020–December 2020

Role – Senior Developer - React Native Vue GraphQL Neo4j Terraform IaC

Developed Curbside Pickup, Find Online Buy-in-Store and Shop-By-Appt additions to Levi's ecommerce experience

- Worked as part of a large team spread across internal Levi's developers and outside consultants
- Front-end code for ecommerce component written in VueJS
- Vue front-end connected to Levi's internal back-end systems via GraphQL instance
- Front-end written in HTML, CSS and Javascript based Vue.
- Middleware API written in GraphQL
- Particular challenges included internationalization as Levi's deployed the functionality in more than a dozen nations
- In addition to working on Levi's ecommerce site, worked on an internal to Levi's supply-chain product-design and sales/marketing application, converted from Vue to React Native.
- Used Terraform infrastructure-as-code to create replicable CI/CD pipelines

Nexient -- PG&E
January 2020–June 2020

Role – Senior Developer - React React Native AWS Spring Boot REST API GitHub Actions CloudFormation Docker AWS EKS IaC

- Front-end app code in React/React Native

- Front-end app written in HTML, Tailwind CSS and Javascript based React/React Native.

- Developed Safety Infrastructure Protection Team (SIPT) application for iPad and desktop to allow PG&E field workers to schedule and complete work assignments.

- Worked with a team of 7 to take project from conception through design and development to deployment in production on AWS

- Front-end app code in React/React Native via ejected Expo

- React front-end app deployed to AWS, responsible for creating and maintaining AWS pipeline

- Middleware API written in Java (Spring Boot), hosted on premise at PG&E.

- Wrote GitHub Actions and CloudFormation templates to deploy Development, Test, Production CI/CD pipelines as infrastructure-as-code

- SIPT Fieldworker application in production in time for Summer 2020 fire season and still in use today.

ExamBuilder
June 2018–November 2019 remote

Role – Developer - Contract

Developed updated 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 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 based React.

- ExamBuilder application in production for more than a decade prior to our update. We completed a comprehensive update and our code is currently in service to companies in the U.S., Canada, Europe and Asia.

Avanzado
February 2017–May 2018 Michigan

- 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.

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

ADMI
June 2015–November 2016 Michigan

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

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

Blue Cross Blue Shield of Michigan
October 2014–May 2015

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.

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

dotomi
June 2014–December 2014 Illinois

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.

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

Discovery Communications
April 2013–June 2014 Illinois

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.

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

G7W Enterprises
June 2013–March 2013 Illinois

Implemented Responsys email marketing campaign and tied it into a SQL Server back-end via Responsys SOAP API:

- Connected a travel site database containing over a million registered users.
- Set up Google Analytics and related reports via Google's API.
- Set up Google Analytics tracking and reports for an ecommerce website.

Chicago Sun-Times
January 2011–January 2013 Illinois

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

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

Sears Holdings Corporation
June 2010 - November 2010 Illinois

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.

Ajax, HTML, CSS, jQuery, HTML 5, Python, Proprietary CMS

Chicago Tribune Media
November 2009 - May 2010 Illinois

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

Ajax, HTML, CSS, jQuery, RoR, PHP, JSP

Alcatel-Lucent
December 2008- November 2009 Illinois

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

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

PEPSICO Chicago (Quaker-Tropicana-Gatorade)
December 2007-November 2008 Illinois

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.

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

EDUCATION

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