

Jarrold Davis

Software Engineer / Scripting Specialist / Full Stack Web Developer

Colorado Springs, Colorado

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WORK EXPERIENCE

Triplemint / The Agency

Colorado Springs, Colorado (*Remote*)

Front-end Engineer

Mar 2021 – Feb 2024

- Participated in the rewrite, launch, and maintenance of a new codebase using Svelte, Sapper, webpack, and Apollo GraphQL
- Assisted in maintaining code quality through pull request reviews, developer tooling upgrades, unit and integration tests, and GitHub Actions-enforced W3C HTML validation
- Led or participated in important code architecture decisions and implementations
- Worked with the backend team to update the Node.js PostGraphile codebase as needed for frontend features
- Developed the rewritten saved search UI, an important lead generation avenue and daily workflow tool for clients and agents that includes an interactive and dynamic email preview system
- Expanded the website to a global audience through the implementation of a sophisticated internationalization (i18n) system, including GeoIP and browser-based region/language detection and selection, value (number, date, currency, dimension) formatting, phone number inputs, and language translations
- Improved SEO and Core Web Vitals (including CLS and LCP) using web font subsetting and preloading, responsive image sets, and carefully orchestrated gallery image loading
- Instrumented the site with marketing tools like Facebook Pixel, Google Analytics, and Google Tag Manager and upgraded Google Analytics from Universal Analytics to Google Analytics 4
- Helped develop a new avenue for lead generation through a contextual listing inquiry form

Freelance

Colorado Springs, Colorado (*Remote*)

Software Engineer

Nov 2019 – Apr 2021

- Developed a Chrome extension to provide keyboard shortcuts for changing the active font color in Gmail's compose editor
- Updated a Java (Selenium and Azure Service Bus) app to run in Docker for usage in Azure Container Registry
- Created a Cloudflare Worker to manipulate text, anchor links, and images on-the-fly for a satirical/parody news site
- Automated system configuration management for Windows 10 machines using PowerShell Desired State Configuration (DSC)
- Updated an existing Puppeteer-based scraping solution to use REST APIs for generating and uploading CSV and Excel reports to Confluence Spaces
- Developed Step Functions-orchestrated AWS Lambda functions to receive webhooks, process data, and interact with external REST APIs
- Implemented a Python script to collect information from git repository commits into a CSV file for analysis
- Developed a script to convert Shopify blog entries to Markdown for a new Jekyll site
- Created a custom Plex Media Server plugin/agent to match TV Show and Movie media to metadata from the MyDramaList.com API

Axxess Technology Solutions

Dallas, Texas

Senior Web Engineer

Jul 2016 – Jun 2018

- Transitioned to the technical team lead role
- Participated with project and product management in the refinement and prioritization of bug fixes, enhancements, and features
- Initiated the introduction of new technologies (including Vue.js) for major new features
- Designed and developed a new ASP.NET Core API for retrieving and updating application data in coordination with mobile app engineers
- Managed deployments for multiple environments using TeamCity and Octopus Deploy
- Integrated the product with multiple systems internal and external to the company
- Onboarded and mentored new and existing team members
- Wrote documentation for project setup, version control strategies, and deployment workflows

Web Engineer

Mar 2015 – Jul 2016

- Maintained a full stack C# ASP.NET MVC 5 and JavaScript/jQuery web application
- Introduced features into an existing complex codebase across the frontend, backend, and database
- Participated in peer code reviews and quality assurance (QA) testing
- Increased development efficiency through optimizations of engineering workflows
- Defined and distributed a Docker Compose project for the backend's data services for a consistent and always-available local development environment

AtTask / Workfront

Frontend Developer Intern

Lehi, Utah

Jan 2015 – Mar 2015

- Developed an internal tool used by developers
- **Technologies:** Python, HTML/CSS, JavaScript, MySQL, git, PyCharm, LESS, Django, Angular.js

Allegiance / MaritzCX

Developer Intern (UI/UX Team)

South Jordan, Utah

Sep 2014 – Dec 2014

- Assisted in the selection of the CSS preprocessor to include in an existing development environment
- Integrated the Stylus CSS preprocessor into the existing build system
- Investigated and fixed bugs of several JavaScript UI components
- Utilized jQuery UI to create new widgets, including compositions of other widgets

EDUCATION

Neumont College of Computer Science

Bachelor of Science

Salt Lake City, Utah

Oct 2012 – Mar 2015

- **Honors:** 3.82 / 4.0 GPA, President's List

PROJECTS

Migrate Guru Notification Extension

Feb 2019 – Sep 2019

- A custom Firefox extension that showed notifications for started and completed Migrate Guru migrations
- Used the WebExtension API
- Used Svelte and the Firefox UX team's Photon Extension Kit for UI
- Used webpack and webextension-toolbox for packaging

Probot GPG

May 2017 – Jul 2019

- A GitHub App that provided a Check on Pull Requests to enforce GPG-signed commits
- Used the GitHub Probot framework on Node.js
- Deployed to Heroku

SKILLS, LANGUAGES, INTERESTS

- **Languages:** English (Native speaker)
- **Programming and Markup Languages:** HTML/CSS, JavaScript/TypeScript, Ruby, Python, Java, C#, SQL
- **Frameworks and Libraries:** Svelte/Sapper, Apollo GraphQL, React, Next.js, openpyxl/exceljs/SheetJS, Puppeteer, unified.js (remark and rehype), ASP.NET Core, .NET Framework, ASP.NET MVC, jQuery, Vue.js, Django
- **Platforms and Runtimes:** Node.js, .NET (Core), AWS Lambda, AWS Step Functions, Cloudflare Workers, Chrome and Firefox extensions
- **Data Stores:** PostgreSQL, MySQL, SQLite, MongoDB, Redis
- **Development Tools:** git, Visual Studio Code, Docker and Docker Compose, webpack, Cloudflare Wrangler, AWS SAM, AWS CloudFormation Templates, Windows PowerShell, Visual Studio, Bash/Zsh