

Jarrold Davis

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Profile

I am a software engineer and full stack web developer who enjoys building delightful experiences and helpful tools. I have experience with command line tools, scripting, automation, web applications, and web services.

Professional Experience

Upwork, Freelance Software Engineer 📄 Nov 2019 – present
Various web development, software engineering, and scripting/automation projects

- Identified and implemented solutions to resolve issues with an open source Jekyll site
- Configured a reference full stack GraphQL project using React.js, Next.js, Auth0, Apollo, and Hasura
- Developed a Python script to collect information from git commits into a CSV file for analysis
- Investigated and fixed an issue with a Node.js script that uses Puppeteer to scrape web page data
- Created a Node.js script that uses REST APIs to generate reports and upload them to Confluence
- Created AWS Lambda functions to receive webhooks and interact with external REST APIs
- Created a PowerShell Desired Configuration State script to automate Windows 10 management
- Updated a Java/Selenium app to run in Docker for Azure Container Registry
- Developed a Chrome extension to provide keyboard shortcuts for Gmail's compose editor
- Configured a boilerplate Craft CMS project in Docker using Docker Compose
- Created a Cloudflare Worker to manipulate web page content on-the-fly
- Investigated a Sapper/Firebase app deployment and provided guidance on alternate strategies
- Developed a script to convert Shopify blog entries to Markdown for a new Jekyll site
- Created a custom Plex Media Server plugin to match media to metadata from an external REST API
- Performed various administrative and data entry tasks

Additional Technologies: TypeScript, JavaScript, Ruby, Python, openpyxl, exceljs, webpack, git, GitHub, Bitbucket, Azure Service Bus, Svelte.js, unified.js, remark, rehype, AWS Step Functions

Axxess Technology Solutions, Senior Web Engineer 📄 Jul 2016 – Jun 2018
HomeCare SaaS product for home care and private duty agencies

- Transitioned to the technical team lead role
- Participated with project and product management in the refinement and prioritization of bug fixes, enhancements, and features
- 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

Additional Technologies: git, C#, .NET, MySQL, MongoDB, Redis, Couchbase, RabbitMQ, Knockout.js, webpack, Babel, Sass, WCF, ASP.NET MVC, jQuery, MSBuild, Docker Compose, Vue.js, .NET Core

HomeCare SaaS product for home care and private duty agencies

- Maintained a full stack 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
- 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

Additional Technologies: git, C#, .NET, MySQL, MongoDB, Redis, Couchbase, RabbitMQ, Knockout.js, webpack, Babel, Sass, WCF

Education

Neumont College of Computer Science,

Oct 2012 – Mar 2015

Bachelor of Science in Web Design and Development [✉](#)

My education at Neumont provided key skills and experience ranging from hands-on learning with a variety of technologies to team-based projects, both on-campus and embedded within real-world companies.

Skills

Software Design Patterns and Methodologies (*Object-Oriented Programming (OOP), Model-View-Controller (MVC), Dependency Injection (DI), Inversion of Control (IoC), Representational State Transfer (REST), Agile (including Scrum)*),

Programming Languages (*HTML, CSS, PHP, JavaScript, TypeScript, Java, C#, Ruby, Python, SQL, Stylus, LESS, Sass*),

Integrated Development Environments (*Visual Studio, ReSharper, IntelliJ, PyCharm, Eclipse, Visual Studio Code*),

Version Control (*git, SVN, Perforce, GitHub, Bitbucket, GitLab*), **CI and CD** (*TeamCity, Octopus Deploy*),

Task Runners and Compilers (*Grunt.js, Gulp.js, MSBuild, Babel, webpack*),

Package and Dependency Managers (*NuGet, npm, Yarn, RubyGems, Bundler, pip*),

Backend Web Frameworks (*J2EE (Java Enterprise Edition), ASP.NET MVC, Ruby on Rails, Django, ASP.NET Core, Express.js, middy.js*),

Data Servers (*MySQL, MongoDB, RabbitMQ, Couchbase, Redis, Hasura GraphQL*),

Application Runtimes (*TomEE (Tomcat for Java EE), Internet Information Services (IIS), Node.js, .NET Framework, Windows Communication Foundation (WCF), .NET Core, Docker, Chrome (browser extensions)*),

Cloud Services and Platforms (*AWS (Amazon Web Services), AWS Lambda, Auth0, Azure Service Bus, Azure Container Registry, Cloudflare Workers, Firebase Authentication*),

Frontend Web Frameworks and Libraries (*Ember.js, Knockout.js, Vue.js, React.js, Next.js, Svelte, Sapper, jQuery, jQuery UI*),

Additional Development Tools (*Unix command line, AWS SAM (Serverless Application Model), AWS CloudFormation Templates, Docker Compose, Windows PowerShell, Cloudflare Wrangler*),

Additional Libraries (*Underscore.js, Lodash, Axios, Hangfire, Entity Framework Core, exceljs, SheetJS, openpyxl, Apollo GraphQL, Puppeteer, Selenium, PowerShell Desired Configuration State, unified.js (vfile, remark, rehype), Liquid, Handlebars.js*)