

# Jarrod Davis

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## Profile


I am a full stack developer and software engineer 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  
*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 an AWS Lambda function to receive webhooks and interact with an external REST API
- 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
- Performed various administrative and data entry tasks

*Additional Technologies: TypeScript, JavaScript, Ruby, Python, openpyxl, exceljs, webpack, git, GitHub, Azure Service Bus*

**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 optimization 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*

## 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*), **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*),

**Data Servers** (*MySQL, MongoDB (NoSQL), 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*),

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

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

**Additional Libraries** (*Underscore.js, Hangfire, Entity Framework Core, exceljs, SheetJS, openpyxl, Apollo GraphQL, Middy.js, Puppeteer, Selenium, PowerShell Desired Configuration State*)

## Education

**Neumont College of Computer Science,**  
*Bachelor of Science in Web Design and Development*

Oct 2012 – Mar 2015