

Andrew Owen

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pronouns: He/Him

Software Developer with a passion for problem solving, understanding systems in detail, and mentoring.
Seeking hybrid opportunities in Denver, CO or Remote Work

SKILLS

Expert

C#
React.js
Typescript
Javascript
Git
ASP.NET (MVC, Core, WebForms)
T-SQL
Full-Stack Web Development

Intermediate

Powershell
Angular
SQL
CSS
HTML
Teams
Parsing
Compilers

EXPERIENCE

Consulting, Denver, CO; Remote

APRIL 2024 - Present

- Implementing a programming language called Eyr in Go, as a dialect of Rye: <https://ryelang.org/>

Principle Studios, Denver, CO; Remote – Senior Software Developer

JUNE 2021 - APRIL 2024

- Worked as a “solver” with multiple teams across multiple projects as a full-stack developer to address complex and rapidly changing business needs for clients
- Combined TypeScript with React to build maintainable and readable codebases
- Utilized RxJS within React to build dynamic web-based products
- Worked with a team to convert a legacy AngularJS website to React
- Leveraged standards-based OpenAPI schemas to implement RESTful API endpoints in C#
- Supported maintenance and upgrade via .NET 6, .NET 7, and .NET 8 for cloud-native applications
- Worked with a team of developers to create and maintain a back-end-for-front-end pattern via ASP.NET MVC integrating with various third-party technologies, including Salesforce, Sitecore and Crown Peak CMS
- Integrated New Relic tracing into the sales funnel of a web application to enhance defect resolution
- Cooperated with multiple teams as part of an Agile workflow, including inspiring the use of Google Sheets for Pointing Poker exercises when the previous tool had downtime
- Served as Tech lead for a small team, which included documenting and tracking work in Atlassian JIRA

Linquest Corporation, Colorado Springs; Remote – Staff Software Developer

AUGUST 2019 - JUNE 2021

- In a cross-functional capacity, worked as a full-stack developer, technical writer, and a project-specific liaison between Linquest and Lockheed Martin, as part of an agile team.
- Build React application that integrates D3 and Cesium into a split-pane viewer.
- Migrated Legacy ASP.NET MVC Web app to a microservices architecture using C# and RabbitMQ. Also added a C# WebSocket client to parse a real-time data feed for the ASP.NET Web App
- Educated Change Manager in the use of git email patches, to enable more efficient transfer of code updates to the target environment
- Wrote training documentation for use by clients
- Owned responsibility for company Jira/Bitbucket/Confluence resources, reducing outages dramatically by collaborating with IT
- Discovered and implemented an integration between SVN and Git that preserved history while developers could continue to work in both systems

Greenshades Software, Jacksonville – Software Developer

NOVEMBER 2017 - DECEMBER 2018, Remote

- Develop and ship ticket fixes, working with SQL Server, Angular, ASP.NET MVC, and Typescript HTML, Javascript, and CSS and REST as part of an Agile team.
- Worked with RabbitMQ, debugging idempotency issues in services.
- Automated migration of Wiki documentation from Roadkill to Azure DevOps.

Genesis Global Technologies, Ft. Myers – Software Developer

SEPTEMBER 2014 - NOVEMBER 2017

- Worked as a full stack developer, leveraging SQL Server, C#, ASP.NET and Javascript in concert to increase CMS Sales Reporting flexibility and reliability, increasing customer confidence
- Added features to a custom front end implemented in HTML, a legacy custom Javascript framework.
- Built a custom ETL ingest tool in C# to enable better client data migrations
- Created an Outlook Web Services to CMS calendar synchronization process
- Deployed and owned Mattermost team chat server to better enable remote work, and reduce reliance on phone calls for simple questions.

Edifice Group, Lawrenceville, GA— Software Developer

JULY 2011 - JUNE 2014

- Constantly learned new things about C#, learning how to parallelize data processing and ETL tasks to improve performance, refusing to settle for what I had learned.
- Improved performance of data-cleansing process using a SOAP endpoint by two orders of magnitude.
- Developed intranet websites used to track car sales performance using ASP.NET and Linq-To-SQL.

OPEN SOURCE

Janet — A Lisp-like Language for the Modern Era

Contributor to Janet programming language:

- Fixed bug where subprocesses were not getting closed on Windows
- Added support for a profile.janet
- Increased coverage of interactive documentation

- Fixed output on IOCP file handles used for async output

Onion — *Stack based compile to Lua language*

Actively designing, developing and using a Forth-like language that compiles to Lua. Has already been used in some small games <https://github.com/yumaikas/onion>

GDForth — *A language to tame Godot 3's asynchrony*

Built A stack-based interpreter to better handle Godot 3's asynchrony, given that the `yield` function/keyword has a lot of problems.

PISC — *Stack based scripting language written in Go*

A stack based scripting language and runtime, found at <https://pisc.junglocoder.com>, with a Javascript-enhanced playground at <https://pisc.junglocoder.com/playground>

EDUCATION

FGCU, Ft. Myers, FL — *B.S. Software Engineering*

JANUARY 2015 - MAY 2017

3.84/4.0 GPA, 3 notable projects, 1 in machine learning, a backend API for a prototype social network and a telnet relay server written in Go.