

QUESTIONS?

Contact Me



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E-mail:
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Website:
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Address:
477 Oxford St.
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Experienced in...

Node.js, TypeScript, JavaScript, Go, C#,
PHP, Python, React, Next.js, Deck.gl,
Three.js, REST API, PostgreSQL, MySQL,
DuckDB, Redis, MemCached, ElasticSearch,
GraphQL, Kubernetes, Terraform, Docker,
nginx, GitHub Actions, Linux Sysadmin,
AWS, GCP, Unity, Deck.gl, Three.js, VR
Development

Fun Fact

In my spare time I host a
podcast about The Real
Housewives called Bravo
Outsider



SOFTWARE ENGINEERING LEADER



Craig Midwinter

Builder of high-performance teams and innovative solutions

Experience



Hypergiant/Accelint

Director of Engineering (prev. Lead Software Engineer)

2019 – Current

Lead a 50+ person engineering organization, driving innovation and delivering solutions across Space, Machine Learning, and Data Science.

- Progressed from Senior Engineer to Lead Engineer before taking on the Director role.
- Bootstrapped new projects, scaling teams from inception to fully operational engineering units.
- Directed architecture, design, and implementation of scalable, microservices-based solutions.
- Served as the go-to engineer for initiating and delivering critical product initiatives.
- Implemented CI/CD pipelines and infrastructure as code for production reliability.
- Delivered results as a trusted solo developer on high-impact client engagements.

Pepper.com

Backend Developer

2015 – 2019

Contributed to high-traffic deal communities, delivering features that improved performance, usability, and business outcomes.

- Built and enhanced critical features across multiple codebases and frameworks.
- Improved performance by reducing server load and response times.
- Refactored legacy features to increase maintainability and flexibility.
- Collaborated with teams to deliver high-quality, well-tested solutions.

Shaw Communications

Predictive Dialer Coordinator & Master Control Operator

2007 – 2015

Developed tools to enhance team productivity and system performance, including a communication portal integrated with legacy systems for real-time tracking. Produced and directed live and pre-recorded community television programming while mentoring community members in video production techniques.

Education



Red River College

Computer Analyst/Programmer (incomplete)

2007 – 2008

Gained skills in programming, software design, and system analysis through studies at Red River College.

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Fun Fact

I used to work for a Public Access TV station and have produced hundreds of hours of (often weird) television



Select Personal Projects

BravoOutsider.com

Developer

The Bravo Outsider website looks simple but has some interesting technical things going on. Instead of using a traditional CMS this is a statically deployed website that uses Youtube as the CMS.

The website even has functionality to dynamically generate WebXR/WebGL VR versions of podcast episodes which combines multiple synchronized video feeds from several speakers into one environment and all the required information for this is encoded within emoji's from the main Youtube video description.

Written in Typescript/React/Next.js

Goalfeed

Maintainer

Goalfeed is a project that I developed and maintain as a hobby. It provides realtime updates for NHL and MLB scores to various external consumers. Users primarily consume the feed using a Home Assistant integration/add-on that I also maintain in order to trigger light shows in their home when their favourite team scores.

Written in GO, deploys as a Docker container or can run as a daemon

Home Assistant

Contributor

I am a contributor to the Home Assistant home automation project. I have written a number of integrations that allow users to automate everything from their Alarm Systems (Honeywell Total Connect) to the act of ordering pizza (Domino's Pizza integration)

Written in Python

Honeywell Total Connect

Maintainer

I maintain the Honeywell Total Connect Python client library which a number of different applications use in order to interface with the Honeywell's Total Connect API

Written in Python



Volunteer Experience

Thistle Curling Club Board of Executives

Communications, Member at Large

2015 – 2023

I served on the board of executives for the Thistle Curling Club from 2015 until 2023. In addition to providing input to help shape the future of the club, I was also responsible for club communications.