

# Henry Hall

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## SKILLS

### Technology

- > TypeScript, JavaScript
- > Node.js, C#, PHP
- > React, Vue, Angular
- > SQL, MongoDB, PostgreSQL, Redis
- > Vite, Bun, Webpack
- > Microsoft Azure, Google Cloud
- > Git, BitBucket, Jira
- > D3, Socket.io, Three.js, zod

### Professional

- > Proven Experience with modern web stacks
- > Impactful delivery in Agile environments
- > Leadership and mentoring skills
- > Business-to-business professionalism
- > Commitment to maintaining development skills aligned with modern industry standards

## EDUCATION

### Prime Digital Academy

Minneapolis, Minnesota – 2016  
Full stack web development

### Normandale Community College

Minneapolis, Minnesota – 2012  
Associate Degree

## FREE TIME

I enjoy rock climbing, working on my planted aquariums, and playing StarCraft 2. Over the winter I have been trekking up Machu Picchu and hiking the wintery tundras of Hokkaido. This summer I am looking forward to camping and foraging around the UK.

A software engineer who enjoys working with TypeScript on the web. Extensive experience within modern enterprise environments and work spanning technologies ranging from frontend frameworks and serverless architectures to optimizing database queries and analyzing performance metrics. Open to correspondence with compelling opportunities and new challenges.

## EMPLOYMENT HISTORY

### Reach Media Network - Senior Software Engineer *February 2019 – Recent*

A Senior Fullstack Engineer working on anything and everything relating to digital signage SaaS. Impactful project leadership and contributions across core applications with responsibilities ranging from technical decisions, code design and implementation.

#### Proprietary Framework for Microsoft Azure and Serverless Migration - Team Lead

Led a team designing a bespoke framework for Azure Functions with Node.js. On completion, trained and assisted backend teams to use the framework to replace legacy PHP services.

**Technologies:** TypeScript, Node.js, Azure Functions, TypeORM, MySQL

#### Content Management System Frontend Framework Migration - Senior Contributor

A senior contributor on a team performing a total rewrite of the customer-facing content management system. Replacing AngularJS applications with React.

**Technologies:** React, TypeScript, Vite, Material UI, i18next, Jest

#### Signage Engine Language Conversion - Team Lead

Led a team of developers converting the core digital signage platform from JavaScript to TypeScript. Successfully deployed to over twenty thousand remote devices.

**Technologies:** TypeScript, Zod, Luxon/Moment, HLS, Jest

#### Network Stability Reporting - Individual Contributor

Designed and built an automatic network analytics and stability reporting system for providing internal and external visibility into Reach signage devices' connection status and history.

**Technologies:** C#, PHP, D3, AngularJS

#### Platform Integrations - Individual Contributor

Developed first class integrations for various calendar platforms, social media and weather vendors. Created automated ETL pipelines, CMS UIs and APIs as well as signage platform integrations. OneDrive, Exchange, Google Calendar, Canva, Facebook, Twitter and more...

**Technologies:** CloverETL, Microsoft Graph, Google Calendar, various

### Country Financial - Software Developer *April 2017 – September 2018*

Software developer for a Fortune 500 insurance company as a member of the health and life insurance department. Contributed to internal tools supporting business intake. Trained for secure handling of sensitive HIPAA data.

#### Organization Structure Reports

Built an automated pipeline to generate daily reports which provided insight into the shifting organizational hierarchy.

**Technologies:** C#, .NET, Entity Framework

#### Life and Health Insurance Customer Intake

Built and maintained customer intake forms using proprietary tools. Responsibilities included testing, deployment and overnight on-call availability.

**Technologies:** C#, .NET, SOAP