

# Matt Dalzell

## Contact Info

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https://mattdalzell.com  
https://github.com/mdalzell

## Technical Skills

### Languages

- TypeScript
- C#
- Dart
- JavaScript/ES6+

### Frameworks & Platforms

- React
- .NET Core
- NodeJS
- Flutter
- Electron

### Cloud Providers

- AWS  
*EC2 / S3 / CloudFront /  
Certificate Manager*
- Azure  
*Event Hubs / Monitor*

### DevOps

- Terraform
- Docker
- LaunchDarkly
- Jenkins

## Education

### Northwestern University

Evanston, IL  
*B.S. in Computer Science*  
Class of 2013

## Other Honors

### Eagle Scout

*Boy Scouts of America* - 2009

## Professional Experience

### BMW Technology Corporation - Chicago, IL

*Software Engineer* - (July 2019 - Present)

Contractor via Apex Systems

- Improved the reliability of REST APIs via proactive monitoring, contributing to a 112% increase in mobile app appointment bookings at BMW and MINI dealerships worldwide.
- Built C#/.NET Core microservices to facilitate dealer payment events using Azure Event Hubs for Kafka.
- Created a NodeJS composite service for the My BMW mobile application, orchestrating multiple microservices into a single appointment booking API for the client.
- Implemented a reusable Flutter widget that supports multiple types of appointment scheduling in the My BMW app.
- Constructed Jenkins CI/CD pipelines using custom Docker images and Azure infrastructure managed by Terraform.

### Inspire11 - Chicago, IL

*Consultant (Frontend Engineer)* - (January 2019 - July 2019)

- Provided expertise in React for a fin-tech company as the primary frontend engineer of a remote agile team.
- Integrated the LaunchDarkly Javascript SDK with an existing React application using Context API and higher order components.
- Implemented an in-app demo mode that allowed users to run through workflows simulating a loan financing application.
- Improved performance by using Apollo GraphQL's React library to manage API response caching.

### VelocityEHS - Chicago, IL

*Software Engineer II* - (November 2015 - December 2018)

- Designed, implemented, and deployed a React SaaS application as part of a multi-year rewrite of a core product.
- Leveraged React code used for the web application and the Electron framework to build a fully featured Windows desktop application.
- Rewrote the existing C#/.NET data access layer, services, and APIs using the SOLID principles of object oriented programming.

### Azavar Technologies - Chicago, IL

*Web Developer* - (June 2013 - November 2015)

- Built .NET web applications for a clients across a variety of industries with Bootstrap for responsive frontend layouts.