Matt Dalzell - Staff Software Engineer and Technical Leader

Contact Info

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

Technical Skills

Frontend

- React
- Next.js
- TypeScript
- JavaScript/ES6+
- HTML5
- CSS

Backend

- NodeJS
- C#/.NET
- Go

Cloud Providers

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

DevOps

- Terraform
- Docker
- LaunchDarkly
- Jenkins

Education

Georgia Insitute of Technology
Atlanta, GA (Remote)
M.S. in Computer Science
2022 - 2025

Northwestern University
Evanston, IL
B.S. in Computer Science
2009 - 2013

Other Honors

Eagle Scout
Boy Scouts of America - 2009

Professional Experience

Bread Financial - Columbus, OH (Remote)
Staff Software Engineer - (June 2025 - Present)
Senior Software Engineer - (October 2022 - June 2025)
Software Engineer II - (November 2020 - October 2022)

- Collaborated with internal stakeholders in product, design, and customer service to extend the functionality of a loan servicing application.
- Lead React application development for a new direct-to-consumer lending product.
- Implemented a role-based access control (RBAC) system using Okta, feature flags, and tenant-based configuration.
- Audited mobile application code written by a third party contracting company and consolidated the findings into a presentation for the senior leadership team.
- Designed and implemented the REST API interface for a Go microservice that handles loan payments and autopay enrollment.
- Established a cross-team frontend guild to share knowledge among engineers across the organization.
- Coordinated an effort to improve Bread's engineer interview experience by creating new questions to assess a candidate's frontend coding and system design ability in a fair and unbiased manner.
- Worked with enterprise architects to develop a set of recommended patterns, frameworks, and tools for frontend development.
- Won first place in Bread's "Shark Tank" competition by pitching a feature prototype to senior executive leadership.

BMW Technology Corporation - Chicago, IL
Software Engineer - (July 2019 - October 2020)
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 as part of a distributed system to facilitate dealership payments 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.

Inspire11 - Chicago, IL
Consultant (Frontend Engineer) - (January 2019 - July 2019)

- Provided expertise in React for a fintech company as the primary frontend engineer of a remote agile team.

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.
- Rewrote the existing C#/.NET data access layer, services, and APIs using the SOLID principles of object oriented programming.