

# Eric Zorn

## Senior Software Engineer - Full Stack

Passionate Senior Software Engineer, specializing in Full Stack web and cross-platform mobile development. I deeply enjoy working with type-safety, enhanced dev tooling, distributed systems, UX/UI design, and event-driven software architecture. Some of the tools that I love are NestJS, Express, SNS+SQS, RabbitMQ, Kafka, React, GraphQL and state machines.



### Contact

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#### WWW

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### Skills

JavaScript/TypeScript

React (Client and  
Server Rendered)

NodeJS

GraphQL

Golang

Rust

GRPC



### Work History

2022-01 -  
Current

#### Senior Software Engineer, Full Stack

Meta, New York, NY

- Worked Full Stack on Kustomer CRM Platform within the platform automations domain. This consisted of the message routing system, business rules engine and workflow engine, empowering users to create their own automations pipelines within the platform.
- Led large scale project within the automated business rules domain, encompassing multiple backend services across the platform's large distributed system architecture. Also built out the frontend for this feature in a large cross-domain React monolithic application. The system architecture is primarily NodeJS, AWS (ECS, EC2, SNS, SQS, CloudFormation, CloudFront, S3, Kinesis, VPC and many others), MongoDB, Elastic Search, Terraform, Kubernetes and Tilt, as well as many other components.
- Contributed to our frontend design system, Kanvas, that is growing rapidly within the platform that powered all web applications.
- Built and integrated multiple developer tools to increase developer experience across the frontend and backend

AWS (SNS, SQS, S3,  
ECS, EC2,  
Lambda)

Monorepo and  
Build Tooling

CI/CD

DevTooling

Domain-Driven  
Design

Event-Driven  
Architecture

including faster client-side webpack builds  
with HMR+Fast Refresh.

- Led an initiative for adding end-to-end type safety with TypeScript and OpenAPI specification within our backend services (allows for SDK generation and Contract/Schema Driven Development).
- Worked cross-functionally with other engineers, product managers, engineering managers, and stakeholders on the product to enforce strong collaboration and communication across the product roadmap and feature development.
- Mentored Junior Engineers on the team and encouraged Full Stack learning.
- Worked in large monorepo that powered the entire platform.

**2020-07 -  
2022-12**

## **Senior Software Engineer**

*Northwestern Mutual, New York, NY*

- Rearchitected large scale PX application development architecture, to follow a microservice and micro-frontend architecture for faster CI/CD and team autonomy.
- Built and maintained multiple Node JS tooling solutions for the developer experience of every internal PX application, including CLIs and dev servers.
- Rearchitected a large PX UI application to utilize redux as a global state management solution for further feature development and async data fetching, specifically focusing on Redux Toolkit, React Query, and TypeScript integration.
- Co-Authored a large Node JS REST and GraphQL reverse proxy API gateway server to source data from many internal critical Northwestern Mutual APIs, as well as multiple API endpoints and admin tooling

within PX to power multiple UI applications on the newly designed application architecture.

- Provided Unit Test and API test coverage to multiple back-ends and front-end applications and services within the PXO team.
- Used GitLab CI, Docker, and Kubernetes for application deployment and CI/CD practices.
- Focused on building out new features in primarily the MERN (MongoDB, Express, React, NodeJS) Stack, with an emphasis on TypeScript.
- Maintained tooling, scripts, and build pipelines for PX Node services and UI applications, focusing on optimizing PX CI/CD pipelines and delivery process.
- Focused on how to make the architecture and platform stronger with type systems (TypeScript), GraphQL service layers, and shared dependencies that can be utilized at run-time and/or build time.
- Mentored other Software Engineers within the company and team to help them grow their skillset and passion for Software Engineering.

**2020-01 -  
2020-07**

## **Senior Application Developer - Contractor**

*ADP, Roseland, NJ*

- Worked on a large-scale internal full-stack web application, assisting Customer Service Representatives.
- Application is built on the MERN Stack, utilizing a large Back-End Microservice API architecture, both in REST and GraphQL, along with MongoDB as our primary database solution. Frontend built in React,

Redux, as well as Apollo Client for GraphQL data fetching and client-side caching.

- Utilized many other services for logging, exception tracking, containerization, testing, and CI/CD pipeline/deployment strategies.
- Had increased our overall unit test coverage and API test coverage for multiple microservices significantly, as well as implemented a Test Driven Development strategy for new features and bug-fixes.
- I also have assisted in adding new user roles, API guards, server-side middleware, UI features, Logging Dashboards and bug fixes. (GraphQL and REST)
- Assisted in writing documentation for undocumented APIs

**2018-10 -  
2019-11**

## **Junior Web Developer**

*EarthCam, Upper Saddle River, NJ*

- Concentrated on the Front-End and building multiple large-scale Web Applications with HTML5, CSS3, and JavaScript (ES5 and ES6+).
- Maintained multiple large applications
- Concentrated on converting an Angular 1 application to React JS.
- Introduced Global State Management



## **Education**

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**2017-05 -  
2018-08**

### **Master of Science: Information Communications Technology - Web Dev.**

*University of Denver - Denver, CO*

- Graduated Magna Cum Laude - 3.94 GPA
- The Master's of Science in Web Design and Development is found within the University College at the University of Denver in the Information and Communications Technology Program. This program focused

on Front-End and Back-End Web Design & Development, utilizing different technologies like HTML5, CSS3, JavaScript (ES5 & ES6+), PHP, Java, Python, Ruby on Rails, MySQL, and many more.

- Final capstone paper was a detailed research project on full-stack software engineering with JavaScript and how it can completely cover as an end-to-end solution.

**2013-08 -  
2017-05**

**Bachelor of Arts: Interactive Digital Design -  
UX/UI Design**

*Quinnipiac University - Hamden, CT*

- Grade: 3.4 Cumulative GPA  
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- Activities and societies: Beta Theta Pi Fraternity, Lambda Pi Eta National Communications Honors Society, AIGA Design Organization (CT and QU Chapters) Activities and societies: Beta Theta Pi Fraternity, Lambda Pi Eta National Communications Honors Society, AIGA Design Organization (CT and QU Chapters)
- I was an Interactive Digital Design Major at Quinnipiac University and graduated on May 21, 2017. I have studied Web design and Development, UX/UI Research and Design, Motion Graphics and Animation, Graphic Design, Typography and Photography.
- 7 time Dean's List Recipient