



ROSS MCLAIN

SENIOR FULL STACK ENGINEER 📍 PORTLAND, ME ☎ 207-420-6255

◦ DETAILS ◦

Portland, ME
207-420-6255
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◦ LINKS ◦

mclaindevelopment.com
github.com/ross-mclain-br

◦ SKILLS ◦

React
JavaScript/TypeScript
C#
CSS/TailwindCSS
Kafka
GraphQL/REST
SQL/PostgreSQL
AWS
Node.js/Express
MongoDB

◦ HOBBIES ◦

I enjoy developing strategy/simulation games, working on websites and other applications for friends and family, DND, gaming, disc golf, and trying new coffee shops in the area!



PROFILE

Senior Full Stack Engineer with over 8 years experience designing and implementing innovative web solutions that significantly enhance user experiences. Demonstrated expertise in leveraging React, Typescript, TailwindCSS for front-end development, while crafting resilient back-end services with ExpressJS, GraphQL/REST, PostgreSQL, and AWS. A strong commitment to quality and a passion for technology drive continuous improvement and impactful results.



EMPLOYMENT HISTORY

Senior Full Stack Engineer at Tyler Technologies, Yarmouth

September 2024 — Present

- **Championed** a modern tech-stack by demonstrating the benefits and educating my team. This led to enormous gains through reusable, component based code, all while moving away from deprecated frameworks and methodologies.
- **Implemented** robust full-stack solutions with React, Typescript, Node.js, Express, PostgreSQL, Swagger docs, and Codegen. These solutions began the process of replacing old applications I helped to architect originally.
- **Optimized** application performance through effective use of AWS cloud services.
- **Collaborated** with cross-functional teams to integrate their automated workflows into our service catalog, ensuring projects were delivered on time and to specification.
- **Led** efforts to migrate off of aging infrastructure by architecting a next generation template for all of our teams applications going forward.

Technical Lead at Blue Rabbit Veterinary, Portland

June 2022 — September 2024

- **Implemented** an order approval flow integrating Salesforce, Kafka, pharmacy software and our custom full stack veterinary portal, reducing order to delivery time while eliminating manual steps in the process.
- **Managed** a team of 5 engineers, refining tickets, reviewing code changes, providing knowledge transfer, creating documentation, and guiding implementation decisions.
- **Integrated** embedded reporting into our custom built veterinarian portal delivering a seamless experience and providing valuable financial insights.
- **Designed** and developed dynamic product searching using PostgreSQL full-text search, enabling veterinarians to prescribe 80% faster.
- **Enforced** best practices by refactoring our React codebase, streamlining development, and reducing duplicate code by 75%.

Senior DevOps Engineer at Tyler Technologies, Yarmouth

March 2021 — June 2023

- **Integrated** Terraform, GitHub, and AWS into our service catalog, simplifying the end-user interface for requesting deployment of entire environments in AWS.
- **Developed** a fully dynamic UI leveraging JSON files, enabling Terraform developers to adjust what questions the end user is asked efficiently.
- **Interfaced** with cross-functional teams to incorporate feedback into our ongoing development process.
- **Led** and supervised many application development initiatives.




DevOps Engineer at Tyler Technologies, Yarmouth

May 2018 — March 2021

- **Developed** a severity tracking tool in ASP.Net Core with a micro-service architecture that used SignalR to enable a live chat room which empowered users to gather information around specific outages and solve them as quickly as possible.
- **Designed** a code first SQL database schema which improved upon our data model while also accounting for future development. This design required zero changes while developing our severity tracking tool which increased the speed of delivery immensely.
- **Improved** our developer experience by creating an automated toolkit that utilized reflection to generate the required files for a GraphQL API in C# based on a database schema.
- **Developed** a configuration management system for our engineers to configure virtual machine templates based on different divisions and products improving the speed of deployment and drastically reducing the amount of business knowledge the end user needed to be effective.
- **Deployed** and monitored applications in Kubernetes, and Docker.



INTERNSHIPS



Software Development Intern at Tyler Technologies, Yarmouth

May 2017 — May 2018

- **Developed** an alerting application enabling the tagging and grouping of users, sending emails, as well as creating email templates which improved the consistency and visibility of notifications across our entire division.
- **Created** a maintenance window tool that allowed users to track periods of time where maintenance would occur in different calendar views and utilized the above mentioned alerting application to notify stakeholders would be affected.



EDUCATION



Bachelor of Science Degree in Computer Science, University of Southern Maine, Gorham, ME

May 2018