Ross McLain, Senior Full Stack Engineer

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LINKS

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

PROFILE

Senior Full Stack Engineer with over 8 years experience designing and implementing innovative web solutions that significantly enhance user experiences. Proficient in leveraging React, Typescript, and TailwindCSS for user interfaces, while building resilient back-end services in ExpressJS, PostgreSQL, and AWS. Committed to delivering quality results with a passion for technology that drives constant improvement in development processes.

SKILLS

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

EMPLOYMENT HISTORY

Sep 2024 — Present

Senior Full Stack Engineer, Tyler Technologies — Yarmouth

- **Championed** a modern tech-stack, leading to enormous gains through reusable, component based code, while moving away from deprecated frameworks, by creating a functional template, demonstrating the benefits, and educating my team.
- **Replaced** aging applications, giving end-users an improved user experience and quicker response time by building robust full-stack solutions with React, Typescript, Node.js, Express, PostgreSQL, Swagger docs, and Codegen.
- **Partnered** with cross-functional teams all across our company to integrate automated workflows into our service catalog, ensuring projects were delivered on time and to specification.
- **Transformed** the up-time, performance, and security of our applications by utilizing AWS services like CloudFront, RDS, EKS, and API Gateways.

Jun 2022 — Sep 2024

Technical Lead, Blue Rabbit Veterinary — Portland

- **Reduced** order to delivery time down to minutes while eliminating manual steps in the process by architecting an order approval flow which integrated Salesforce orders, Kafka messaging, pharmacy software approvals and our custom full stack veterinary portal approval user experience.
- **Managed** a team of 5 engineers, refining tickets, reviewing code changes, providing knowledge transfer, creating documentation, and guiding implementation decisions.
- **Maximized** our user's transparency into their financial performance by delivering a seamless embedded reporting experience into our custom built veterinarian portal.
- **Accelerated** veterinarians prescribing time making it 80% faster by building dynamic product search components using React and PostgreSQL full-text search.
- **Enforced** best practices by refactoring our React codebase, streamlining development, and reducing duplicate code by 75%.

Mar 2021 — Jun 2022

Senior DevOps Engineer, Tyler Technologies — Yarmouth

Previously DevOps Engineer May 2018 - Mar 2021

- **Streamlined** the process of end-users deploying virtual machine environments by developing a configuration management system which our engineers used to configure virtual machine templates that end-users could then request in our service catalog with very little business knowledge required.
- **Designed** a SQL database schema that required 0 changes during the initial application development process by investigating all the needs of the application, generating a plan of how each part of the application would function, and diagramming out the solution.
- **Expedited** the resolution of critical outages by creating a severity tracking tool in ASP.Net Core that utilized a live chat room for support staff to quickly be notified, discuss, problem solve, and create postmortems to solve and further prevent the issue from happening again.
- **Improved** our teams speed of delivery, reducing the work hours required to build GraphQL APIs by 99%, by creating an automated toolkit that utilized reflection to generate the required files in C# based on a database schema.

EDUCATION

May 2018

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