Ross McLain

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Technical Lead with 7+ years of experience developing, designing, and implementing full-stack solutions using a range of technologies including React, TypeScript, Node.js, GraphQL, SQL, TailwindCSS and more.

Skills

Languages: JavaScript, TypeScript, C#, Java, CSS, HTML, jQuery
Frameworks: ExpressJS, Next.js, ASP.NET
Databases: PostgreSQL, MongoDB, Redis, MSSQL
Technologies: React, GraphQL, REST, AWS, CI/CD, Docker, Git, Kafka, Prisma, TailwindCSS, Node.js

Education

B.S. Computer Science, University of Southern Maine.   **2018**

Work Experience

Technical Lead
Blue Rabbit Veterinary
Oct 2022 – Present

- Implemented an order approval flow which integrated Salesforce, Kafka, pharmacy software and our custom full stack veterinary portal, drastically improving the time between ordering and shipment.
- Led multiple business initiatives including embedded reporting, prescription writebacks to veterinary PIMS, and improved performance monitoring and error tracking within our veterinary portal.
- Contributed to the design, documentation, and development of full stack features involving React, GraphQL, Typescript, PostgreSQL, MongoDB, and Kafka, while also collaborating with QA to ensure all deployment of code goes smoothly.
- Managed a team of 5 developers, with responsibilities including enforcing code quality, reviewing changes, providing knowledge transfer, creating documentation, and guiding implementation decisions.

Senior Software Engineer
Blue Rabbit Veterinary
Jun 2022 – Oct 2022 (5 mos)

- Created multiple end to end features involving MongoDB, Kafka, an Express.js Apollo GraphQL API, PostgreSQL, and React.
- Led an initiative to combine and reorganize many React components that worked similarly, which streamlined our development process and in some cases cut down duplicate code by 75%.
- Standardized the existing TypeScript and React UI codebase by following coding best practices.
- Added a dynamic client search that queried both our PostgreSQL database while also querying an external PIMS API and combining the results to allow veterinarians easy access to importing their caretakers and patients.

Senior DevOps Engineer
Tyler Technologies
Mar 2021 – Jun 2022 (1 yr 4 mos)

- Developed a fully dynamic UI using C#/ASP.Net and JavaScript which builds directly off of JSON and empowered our Terraform developers to request exactly what is requested of the end user without waiting for multiple development cycles.
- Integrated Terraform, GitHub and AWS into our service catalog to provide our clients with a simple interface to request deployment of entire environments in AWS.
- Interfaced with other teams to integrate their needs and feedback into our ongoing development.

- Led and supervised many application development initiatives while working closely with our team of developers.
- Generated unit tests in C# to improve the reliability of our CI/CD pipeline and catch issues before they become problems.

DevOps Engineer
Tyler Technologies
May 2018 – Mar 2021 (2 yrs 11 mos)

- Developed a severity tracking tool with a microservice architecture that used SignalR to enable a full chat room, allowing users to gather information around specific outages and solve them as quickly as possible.
- Designed and implemented a code first SQL database schema used in our updated severity tracking web application.
- Created an automated and reusable toolkit to generate all required files for a GraphQL API in C#.
- Developed a configuration management system that enabled our engineers to configure virtual machines based on different divisions and products allowing for quick deployment without requiring the end user to have deep technical knowledge.
- Deployed and monitored applications in Kubernetes, and Docker.

Software Engineer Intern
Tyler Technologies
May 2017 – May 2018 (1 yr)

- Developed an alerting application that allowed for tagging and grouping of users while also allowing email templates to be saved, reused and sent out.
- Created a maintenance window tool that allowed users to track periods of time where maintenance would occur and quickly notify affected clients.
- Refactored and modernized a time management application which allowed our internal teams to enter their timesheet and what they were working on.
- Deployed, demoed, and maintained multiple web applications.