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, SQL, Go
Frameworks: ExpressJS, Next.js, ASP.NET
Databases: PostgreSQL, MongoDB, Redis, MSSQL
Technologies: React, jQuery, TailwindCSS, Node.js, GraphQL, REST, AWS, CI/CD, Docker, Git, Kafka, Prisma, Gorm, Jest

Work Experience

Blue Rabbit Veterinary
Technical Lead   Oct 2022 – Present
Senior Software Engineer   Jun 2022 – Oct 2022

- 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, with responsibilities including refining tickets, reviewing code changes, providing knowledge transfer, creating documentation, and guiding implementation decisions.
- Integrated embedded reporting into our custom built veterinarian portal while preserving look and feel to give users a seamless experience and provide them valuable financial and order information.
- Constructed a process that consumes prescription Kafka events and sends that information to a PIMS API to keep the veterinarian's data up to date, so they can do their job effectively.
- Designed and developed a product search using PostgreSQL full-text search which helps veterinarians find products quickly, with partial search input, all while getting them prescribing up to 80% faster.
- Enforced best practices by refactoring and reorganizing our React codebase, streamlining our development process and cutting down duplicate code by 75%.
- Added a dynamic client search that queries both our PostgreSQL database and an external PIMS API, combining the results to allow veterinarians easy access to importing their caretakers and patients.

Tyler Technologies
Senior DevOps Engineer   Mar 2021 – Jun 2022
DevOps Engineer   May 2018 – Mar 2021
Software Engineer Intern   May 2017 – May 2018

- Developed a web application using ASP.NET, Git, and jQuery that read in an externally managed JSON configuration file and dynamically built a form which gathered all required input to build out AWS environments with Terraform.
- Built a severity tracking tool with a microservice architecture that used SignalR to enable a live WebSocket chat room, allowing users to gather information around specific outages and solve them as quickly as possible.
- Designed multiple database schemas with less than 5% change from initial design, ensuring robust and scalable data structures.
- Created an automated toolkit with C# which used reflection on a database schema to generate all types, queries, mutations, and required files for a GraphQL API reducing development time by up to 90%.
- Developed a tool for admins to configure virtual machine templates, which standardized automated deployment requests, increasing our speed of delivery without requiring the end user to have deep technical knowledge.
- Developed an alerting web application which enabled the configuration of user notification groups and allowed email templates to be built, reused and sent out.
- Created a maintenance window tool with a calendar to track periods of time where maintenance would occur, assign notification groups from our alerting tool, and send notifications automatically to stakeholders before maintenance began.

Education

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