

Jacob Mutton

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SKILLS

Languages: Ruby | JavaScript | TypeScript | HTML | CSS | Rust | SQL
Technologies: Ruby on Rails | Svelte | Docker | Kubernetes | Node | Vue
Tools: Git | Google Cloud | ScoutAPM | AWS

PROFESSIONAL EXPERIENCE

Software Engineer, Full Time	Igniter Tickets	June 2023 - Present
<ul style="list-style-type: none">Developed and maintained key software applications, enhancing functionality with new in-house features and delivering solutions aligned with client needsIntegrated numerous payment providers, enabling clients to offer seamless and secure payment options, which improved customer conversion rates by 30% and enhanced overall user satisfaction.Implemented Mailgun for reliable, automated communication, ensuring timely notifications and transactional emails, which increased client engagement and reduced manual outreach by 40%.Directed the end-to-end creation of a QR code scanning web application under tight deadlines, contributing to a 15% expansion in client portfolio by securing two high-value contracts.Led a comprehensive styling overhaul across the application, resulting in a polished, user-friendly interface and reducing UI development time by 40% for faster feature delivery.Provided off-hours on-call technical support to ensure uninterrupted service, improving client satisfaction by 15% and maintaining system uptime during peak periods.		
Junior Software Engineer, Contract	Highmark Interactive	Nov 2022 - Apr 2023
<ul style="list-style-type: none">Partnered with the software engineering team to identify and address workflow inefficiencies, reducing onboarding time and accelerating development cycles, ultimately improving team productivity by 40%.Developed comprehensive setup scripts that reduced new team members' local development environment setup time from hours to minutes, enhancing team onboarding efficiency by over 98%.Implemented a custom CI/CD pipeline in AWS, streamlining development and testing processes and reducing deployment times by 75%, enabling faster feature releases and increasing client satisfaction.		
Software Engineer, Intern	National Center for Audiology	May 2022 – Sept 2022
<ul style="list-style-type: none">Led the design and development of a full-stack web application to automate data collection using an in-house hearing aid calibration library, increasing data acquisition by 500% and significantly advancing research capabilities.Architected and deployed a highly available, fault-tolerant Kubernetes cluster across a four-computer local network, creating a robust infrastructure for current and future projects.Developed comprehensive end-to-end tests with Selenium and unit tests in Rust, ensuring stable, reliable code and reducing error rates by 80% in production deployments.		

PROJECTS

Lily - Terminal Music Player

<https://github.com/jmutton2/lily>

- Create a terminal based music player in **Rust**.

Home Security System

https://github.com/jmutton2/pi_sec

- Designed wireless home security system using C and ESP32.

EDUCATION

Western University GPA: 3.8	London, ON	Sept 2019 – Apr 2023
Bachelor of Engineering Science, Software Engineering		
<ul style="list-style-type: none">Dean's Honor ListInvolvement in various engineering-related activities and competitions.		