Josh Haywood

Software Engineer

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Professional summary

Results-driven full-stack Software Engineer focused on CRM and client-based web applications, dedicated to creating efficient, scalable, and user-friendly solutions. Adept at solving complex problems both independently and within collaborative teams. Seeking to contribute to innovative companies by enhancing their digital products while continuously refining and expanding my technical skills.

Experience

Full-Stack Software Engineer

Direct Business Group | July 2023 – Present

Customer Portal

▹ Implemented multiple front-end redesigns in collaboration with designers and developers, translating mockups into interactive, responsive user interfaces.

▹ Developed a meter lookup system that integrated with a third-party API, simplifying the process for customers to add and manage meters.

▹ Adapted an existing graph analysis system to integrate with the customer portal, managing complex data calculations using state storage and ensuring compatibility with the new technology stack.

Automation centred CRM

▹ Collaborated with team members to design and implement a dynamic sales pipeline using a Kanban board interface, optimizing how key sales data is presented and handled for real-time updates.

▹ Streamlined the sales process by automating data handling on the backend, allowing for the removal of redundant form fields and simplifying workflows by making intelligent assumptions based on existing data.

▹ Developed a staff-facing page mirroring customer portal data, enabling real-time data management and synchronization via WebSockets, while allowing staff to create new customer accounts remotely.

Auction Platform

▹ Managed the front-end UI refactor for both desktop and mobile, working with the team to translate designs into user-friendly and responsive interfaces.

▹ Worked alongside the staff-facing team to integrate both frontends, ensuring seamless interaction and data flow between customer and staff systems.

▹ Developed a booking system integrated with Microsoft Calendar, enabling automatic scheduling of meetings with auction details for staff and customers.

Projects

Major web project

▹ Contributed to the development of an esports platform, building a real-time messaging system and a secure, encrypted login system.

▹ Facilitated weekly scrum meetings to ensure timely delivery and alignment with project goals

Research and development: Dissertation

▹ Developed and deployed a full-stack web artefact as part of research into improving user experience in web applications.

▹ Independently managed the entire project lifecycle, from documentation to deployment, demonstrating strong problem-solving and time management skills.

Skills

Programming languages: HTML5, CSS3, JavaScript, C#, SQL

Libraries and frameworks: React.js, Vue3, SASS, Handlebars, TailwindCSS, TypeScript, NodeJS, ExpressJS, AdonisJS, PostgreSQL

Tools and platforms: Heroku, Git, Docker, Postman, PG-Admin, Notion, Photoshop, Unity

Education

Web development BSC, Falmouth University (1st)

September 2020 – July 2023

Relevant modules completed:

▹ Cloud computing

▹ Web applications

▹ Web technologies

▹ Digital innovation

▹ Major web project

▹ Distributed systems

▹ Development principles

▹ Research and development: dissertation