Rory Dowse
Software Engineer
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Summary

Creative, self-starting, and detail-oriented software developer with extensive experience designing and building responsive, user-friendly websites and applications. Proven ability to develop interactive learning tools and optimize online platforms for increased engagement and visibility.

Skills

Bootstrap, CSS, HTML, JavaScript, jQuery, React.js, Responsive Web Design, TypeScript, UX/UI Design.

AJAX, APIs, bcrypt, Express.js, JSON Web Token (JWT), MongoDB, Mongoose, Node.js, NoSQL, PostgreSQL, Prompt Engineering, Python, REST APIs, Sequelize, YAML.

Agile Methodologies, CI/CD, CircleCI, Command Line Interface, Cypress, Developer Tools, DOM, Git, GitHub, GitHub Actions, Insomnia, MongoDB Compass, Test-Driven Development (TDD), Vite, Visual Studio Code, Web Accessibility, Wireframing.

Projects

Finance Flow | github.com/RoryDowse/finance-flow | finance-flow-f2zu.onrender.com

- Created a tool that determines the user's cash flow and allows them to make informed investment and travel decisions using stock market and currency exchange APIs.
- Led the front-end design, Cashflow, Investment, and About pages, and managed the Kanban board.
- Node, Express, React, PostgreSQL, Sequelize, JWT, bcrypt, Bootstrap.

Car Loan Payment Calculator | github.com/RoryDowse/car-loan-payment | rorydowse.github.io/car-loan-payment

- Created a tool that helps car buyers determine potential savings by comparing monthly base payments with third-party quotes.
- Led the development in an Agile environment and contributed the majority of the code, the README, and the GitHub workflow.
- HTML, CSS, JavaScript (JS), Google Fonts API, DOM, Bootstrap, JQuery.

James Woodrow Violin | github.com/RoryDowse/james-woodrow-violin | jameswoodrowviolin.com

- Designed a business page incorporating a "wood" theme to reflect the client's profession and surname, drawing inspiration from the violin, strings and bow, and quality parchment.
- Received positive feedback for timely delivery and effective client engagement post-launch.
- HTML, CSS, JavaScript (JS), Google Fonts API, DOM.

Experience

Front End Developer
CanKnowPiano
Phoenix, AZ
2016 – Current

- Developed the brand by leveraging effective web design strategies, increasing revenue by 180%.
- Designed responsive and accessible websites, achieving up to 100% performance across all devices according to Google PageSpeed Insights.
- Created applications which enhanced the learning experience for clients, reporting 4.9/5 in "overall satisfaction" performance feedback.
- Conducted consultation interviews, and made wireframes to gather client requirements and visualize solutions.
- Piloted market research and optimized UX design, creating user-friendly interfaces and with positive feedback received on overall user experience.
- Optimized sites with SEO and HubSpot Certification, increasing traffic by 198%.
- Completed each project ahead of deadline, developing essential trust and rapport with stakeholders.

Accomplishments, Recognitions, and Awards

- Presented and published at numerous conferences and journals, served as project manager, and started a coding group, demonstrating effective leadership and communication.
- Won scholarships and competitions while successfully delivering on client targets, exemplifying exceptional time management.
- Designed software products to solve client problems, resulting in increased client satisfaction through innovative solutions.

Education

Software Development Certificate | Arizona State University | Jun – Nov 2024 | Phoenix, AZ

Master of Music Degree | Royal Northern College of Music | Sep 2011 – 2013 | Manchester, UK

Bachelor of Music Degree | Queen's University Belfast | Sep 2008 – 2011 | Belfast, Northern Ireland