Rory Dowse

Software Engineer

(480) 336-0379 | rorydowse@hotmail.com | Phoenix, AZ

linkedin.com/in/rorydowse | rorydowsedev.com | github.com/rorydowse

Summary

Creative, self-starting, and detail-oriented software engineer with over 8 years of 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, REST APIs, Sequelize.

Agile Methodologies, Command Line Interface, Developer Tools, DOM, Git, GitHub, Insomnia, MongoDB Compass, Vite, Visual Studio Code, Web Accessibility, Wireframing.

Projects

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

- Our team 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.
- I 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

- This tool helps car buyers determine potential savings by comparing monthly base payments with third-party quotes.
- I 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

- I 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.
- I 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

- Built a brand by leveraging effective design strategies, achieving 280% revenue above industry average.
- Designed responsive and accessible websites using HTML, CSS, and JavaScript (JS), ensuring optimal performance across all devices.
- Created applications which enhanced the learning experience for clients, reporting 4.9/5 in "overall satisfaction" survey 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%, conversions by 293%, and sales by 220% in Q4.
- Finished each project ahead of deadline, developing essential trust and rapport with clients.

Accomplishments, Recognitions, and Awards

- Presented and published at numerous conferences and journals, served as project manager, and started the bootcamp study 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, UK