

DANIEL NOLAN

FULL-STACK SOFTWARE ENGINEER



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SUMMARY

Innovative Full-Stack Software Engineer with 5+ years of experience designing, developing, and maintaining responsive and scalable web and mobile applications. Proficient in the MERN stack (MongoDB, Express.js, React, Node.js), as well as HTML, CSS, JavaScript, and modern front-end frameworks. Experienced in creating dynamic UI/UX designs, implementing interactive features, and optimizing application performance. Skilled in backend logic, API integration, and database management, with additional experience in Python and Django. Adept at collaborating in agile environments, translating business requirements into functional solutions, and delivering high-quality code across diverse projects. Passionate about leveraging technology to solve complex problems and drive innovation in fast-paced environments.

WORK EXPERIENCE

DealerOn | Web Designer (Contractor) | April 2024 – Present | Remote, USA

- Engineered and maintained high-performing, responsive websites for automotive and legal clients, ensuring cross-browser compatibility and enhanced user experiences.
- Orchestrated onboarding and mentorship initiatives for new hires, establishing streamlined workflows and best practices.
- Formulated reusable front-end components to support scalable site functionalities.
- Executed quality assurance testing across various browsers and devices, emphasizing accessibility and performance.
- Collaborated closely with development teams to implement cohesive, user-friendly interactive features.

Nolancode | Freelance Full-Stack Software Developer | October 2021 – Present | Remote, USA

- Designed and deployed comprehensive full-stack web and mobile apps with an emphasis on scalability and performance.
- Constructed single-page applications (SPAs) and native mobile apps using JavaScript frameworks, incorporating advanced UI functionalities such as live chat, facial recognition, event invitations, and secure payment processing.
- Integrated RESTful APIs and third-party services, including OpenAI, Mailchimp, and NASA, to deliver dynamic content.
- Deployed apps on scalable cloud platforms such as Netlify, Digital Ocean and Heroku, optimizing loading and reliability.
- Converted applications into Progressive Web Apps (PWAs) with offline support and push notifications.
- Developed and maintained secure backend systems using Node.js, Python/Django, and MongoDB, encompassing data modeling and API development.

Edenred | Frontend Web Developer | February 2021 – October 2021 | London, UK

- Contributed significantly to high-profile client projects utilizing React, React Native, and Angular as part of agile teams.
- Developed responsive web and mobile applications for global brands, concentrating on usability and performance.
- Spearheaded Salesforce integration on a pivotal project to enhance user experience and increase conversion rates.
- Utilized Git and Azure DevOps to oversee version control and (CI/CD) pipelines.
- Collaborated with cross-functional teams to deliver accessible and responsive front-end solutions.

TECH STACK

Frontend Development:	React, React Native, Redux, Angular, Next.js, HTML5, CSS3, JavaScript (ES6+), TypeScript, Tailwind, Bootstrap, Sass/SCSS, jQuery, Framer Motion, UI/UX, Responsive Design
Databases & Backend:	Node.js, Express, Socket.io, Python, Django, MongoDB, MySQL, GraphQL, REST APIs
Hosting & DevOps:	Git, Github, Webpack, Vite, AWS, Azure, Netlify, Nginx, Digital Ocean, Heroku, CI/CD
Testing & Optimization:	Unit Testing, Browser Dev Tools, PWA Optimization, Core Web Vitals, SEO Best Practices
Other:	Agile/Scrum, Salesforce, Problem Solving, Mentoring, QA Testing

PERSONAL PROJECTS

CreAlte • AI Powered Image Generator

- Created a cutting-edge MERN application that leverages the power of AI (specifically OpenAI's DALL-E and ChatGPT models), to enable users to generate images from textual prompts. The application is styled with Tailwind CSS, and features animations and visual effects with Framer Motion and React Tilt, to create an immersive interface. React Chart.js is used for dynamic data visualization, while Socket.io enables real-time collaboration through live chat functionality. Scalable image storage and manipulation is ensured via Cloudinary and React Crop, secure payments are processed via the Stripe API, while Node-Schedule automates daily checks on subscription details, and Nodemailer facilitates communication with automated emails. CreAlte is a sophisticated web application that highlights technical proficiency in full-stack development, AI model integration, and third-party service utilization.

NovaQuest • Mobile Application

- Developed an engaging space-themed mobile app for kids, leveraging the NASA API to showcase captivating imagery, including astronomy pictures and Mars rover footage. Features include tracking the International Space Station, accessing details on asteroids, and exploring planets and dwarfs within our solar system. The app integrates educational elements with interactive games, like trivia challenges and physics-based activities, utilizing Matter.js, complete with a global leaderboard. NovaQuest prioritizes a safe environment with community features for posts and comments. It gamifies exploration with achievements and XP, accompanied by cool sound effects, real-time notifications, animations, and random facts for an engaging user experience. The app's technical foundation includes Firebase for authentication, Redux for state management, React Navigation for routing, and a functional admin panel for seamless content and user control.

Love is in Cyprus • Dating Application

- Developed a dynamic dating application using the MERN stack, with Redux for state management. Key integrations include Google Firebase for OTP authentication, Socket.io for real-time chat and notifications, PayPal API for transactions, React Webcam for image uploads, and facial recognition for verification. Features an admin management system for site control, Node-ipinfo for geo-location controls and IP blocking, Chart.js for analytics, Mailchimp API for mass communication, and Nodemailer for automated responses. The app is also accessible as a PWA, for enhanced functionality and offline use.

Apex Scrap • Vehicle Scrap Value Finder

- Designed and built an application that enables users to determine the scrap value of any vehicle by entering the license plate number. Developed using the MERN stack, the project incorporates Nodemailer for email functionality, ReactCountup and Swiper for smooth visual effects, Formik and Yup for form validation, and Axios for efficient data retrieval from the DVLA API.

Nolan Clothing • E-commerce Website

- Developed an e-commerce application with React.js and Redux, along with SCSS for styling, and Firebase for data storage and user authorization. Integrated the Stripe API for secure payment processes, demonstrating expertise in frontend development and payment gateway integration.

Gym Buddies • Social Fitness Tracker

- Created a full-featured web application using Django, MySQL, jQuery and Bootstrap, designed to connect users looking to stay motivated with workout partners. Users could log workouts, interact via messages and posts, and build accountability through real-time engagement. Developed robust user authentication, admin dashboards, and custom APIs.

REFERENCES

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