

PETER NOLAN

FULL-STACK SOFTWARE ENGINEER

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As a full-stack software engineer with a passion for digital artistry and graphic design, I seek to channel my creativity and technical prowess into building scalable web applications that are feature-rich with aesthetically pleasing, user-friendly interfaces. My main goal as an engineer is to curate the optimal user experience through seamless interactivity and intuitive design.

Technical Skills:

Languages: JavaScript | Ruby | Solidity | SQL

Frameworks/Libraries: React | Redux | Ruby-on-Rails | Express.js | Mongoose.js | Sass

Database Technologies: PostgreSQL | SQLite | MongoDB

SaaS/Other Technologies: AWS S3 | Google Maps API | Google Analytics | Canva | Figma | Apache | Phusion Passenger |
Webpack | Node | Alchemy | Render | HTML | CSS

Relevant Non-technical Skills: Graphic Design | Test-driven Development | Agile Development

Currently Learning: Python | Playwright | TypeScript

WORK EXPERIENCE

DataAnnotation | *AI Trainer (part-time)* | Remote May 2024 – Present

- Analyzed AI-generated responses across multiple axes with detailed commentation, maintaining a focus on grading efficiency and comprehensiveness in terms of code content and accessibility in terms of code breakdowns
- Composed coding-based prompts designed to push the limits of LLM models through incrementally increasing complexity

Pawling Engineered Products | *Quality Technician* | Pawling, NY March 2022 – October 2023

- Regularly tested form and fit of polymer extrusions to tolerances under 1/10th inch for contracts worth over \$500K USD
- Managed the quality testing for three separate production departments while maintaining ideal turnaround time during the company's most active quarters.
- Inspected/calibrated a wide variety of tooling and machinery totaling over two hundred units

PROJECT EXPERIENCE

WaveCave - Ruby-on-Rails | JavaScript | PostgreSQL | AWS S3 | React | Redux | Apache | Passenger [Github](#) \ \ [Live](#)

Audio-streaming Platform

- Built a RESTful backend API utilizing the Ruby-on-Rails framework that serves resources in a standardized JSON format to support modularity and keep the codebase DRY
- Engineered a custom audio player component in React using Redux to manage the state, resulting in a responsive, user-friendly interface
- Designed eye-catching logos and icons in Canva to establish brand recognition
- Deployed to private hosting using Apache and Phusion Passenger for HTTP and web routing respectively, minimizing downtime and reducing average server response time by ~ 42% in comparison to cloud-based hosting (Render)
- Configured AWS S3 endpoint to store and manage access to user media content such as audio and image files, leveraging enterprise-level cloud-based hosting to integrate such content efficiently and securely

TeamMates - MongoDB | Mongoose.js | Express.js | React | Redux | GoogleMaps API [Github](#) \ \ [Live](#)

Sports-themed Events Planner/Social Media Platform

- Implemented custom user auth utilizing the BCrypt hashing function to store passwords securely, leveraging the React router's protected routes to manage user privileges and access
- Constructed a flexible backend structure using MongoDB and Mongoose.js, streamlining the development process and thus enabling the team to attain the minimum viable product well ahead of schedule
- Leveraged the Google Maps Address Validation API to ensure that events have a valid location to be displayed within the map component

EDUCATION

App Academy \ \ Full-stack Web Development October 2023 – February 2024

- Systems design, Team development/pair programming, UX/UI design

Chainshot \ \ Ethereum-based Decentralized Web App Development May 2022 – June 2022

- Blockchain technology, Smart Contracts, Functional NFTS