NOAH CAIRNS

Software Engineer

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PROJECTS

Discord Engagement Tracking and Automated User *JavaScript, Node.js, SQLite, TypeScript*

- Created a custom engagement tracker and Discord automated user for use in a client's Discord server with over 50 active concurrent users
- Implemented requested features such as custom points, user roles, stratified privileges, user created events, message tracking, voice channel tracking, inactivity detection, and spam protection
- Deployed on a dedicated Virtual Private Server with active updates maintained through Git Version Control

Gaming Website *JavaScript, MongoDB, Next.js, Node.js, TailwindCSS, Docker, Google Cloud Platform*

- Designed and created a game website to host games between authenticated users using custom built React components while optimizing Search Engine Optimization through server-side rendering
- Features and details include a React frontend with continuous cloud integration, session based user authentication, custom REST API deployed and containerized on Google Cloud Platform with a NoSQL MongoDB server
- Led team members to create well documented and feature agnostic code to allow for ease of scaling and to avoid unnecessary future refactors

Custom Portfolio Website *Javascript, Next.js, TailwindCSS, Node.js*

- Designed and built a custom website for demonstrating a client's capabilities and talents with a focus on the user's writing
- Collaborated with the client in-development to ensure scope and timeline would fit the client's needs while communicating respective delays due to increased scope and requests for features
- Implemented features such as a search bar for client built posts, automatic page creation with git version control and Markdown markup language, custom themes, and responsive layout and design

WORK EXPERIENCE

Consultant

Protiviti

📅 July 2020

Data Validation and SQL Query Testing

- Automated the validation of tens of thousands of SQL Query results for a global Fortune 100 business with the purpose of a global data migration to a new data lake and one global source of truth
- Created custom flexible Excel spreadsheets with built-in error checking and unique validation parameters per necessary query
- Collaborated with engineers to reconfigure SQL queries in guidance with the client's updating business needs

Know Your Customer Investigation and Data Validation

- Investigated customers at a major global financial institution to bring the institution up to date in regards to required industry financial regulation standards
- Validated a number of flagged customers and performed exhaustive checks of customer behavior searching for potential illicit or otherwise unauthorized financial behavior
- Collaborated with the financial institution's compliance department to report or gather further required information on potential problematic customers before escalating claims to appropriate stakeholders

TECHNICAL SKILLS

Full-Stack Web Development

- Frontend: JavaScript, React, Next.js, Hugo, Vue, HTML, CSS, TailwindCSS, Markdown
- Backend: TypeScript, Node.js, Express.js, MongoDB, PostgreSQL, SQLite, MySQL, Python, Rust

Other Technical Skills

- Java, C# (Unity Framework), REST API, JSON, Linux (Arch, Debian, Fedora), Remote Deployment, Bash, Continuous Integration/Continuous Delivery, Docker, Google Cloud Platform