

DANIAL HASAN

PROFESSIONAL SUMMARY

Detail-oriented full stack web developer with a history of conceptualizing, scaffolding, and delivering effective web apps and user solutions. Skilled at working in teams and implementing feedback given from users, fellow engineers, and designers. Previous projects involve integrations with AWS Simple Storage System, AWS Rekognition, JWT Authentication, database management, and separation of backend and client. Armed with an extensive understanding of version control, cloud deployment, front-end client setup and defensive backend construction. Regular participant in several DevRel communities.

SKILLS

Technical Skills

- **Web Technologies and Frameworks:** VueJS, TailwindCSS, HTML5/CSS3
- **Backend:** NodeJS, ExpressJS
- **Scripts/UI:** Javascript, AJAX/Fetch/Axios
- **Database:** MongoDB, Mongoose
- **Version Control:** Git, Github
- **Deployment tools:** Netlify, Heroku
- **External APIs:** AWS (S3, Rekognition)
- **Web Debug Tools:** Chrome Devtools, Mozilla Firebug

Managerial Skills

- **Customer Relations Management**
 - Communicated with several freelance clients in regards to setting up their digital brand
- **Documentation**
 - Wrote several pages of documentation for projects to remove complexity and invite understanding of the project

PROJECTS

Unsplash Clone

Portfolio Project June 2021 - Present

Description: An authentication-enabled web app that uses JWT auth, AWS S3, and Rekognition. Users log in and upload pictures to the AWS Rekognition machine learning model, which identifies the visual contents of the image. Currently in MVP stage.

Environment: Vue, TailwindCSS, Express, Nodejs, MongoDB

Skills/Methodologies Used:

- **Dynamic Components & Centralized State**
 - Created reusable components to place throughout the app to reuse code and promote codebase maintainability
 - App state was centralized and maintained via Vuex so data handling was simple and modular
- **3rd Party API Integration**
 - AWS API was connected through AWS SDK, and services such as S3 and Rekognition were used.
 - Server and Client were developed separately and connected via API Authentication
- **Authentication**
 - JWT Authentication was integrated for secure user login, with expiration date for added security
 - User password in login was compared to saved hashed database password to determine authenticity. Upon successful verification, JSON Web Token was generated for user
- **Database integration**
 - MongoDB was integrated with use of Mongoose library, and chosen as main database
 - Held important user information such as username, password, and profile info

Key Achievements:

- Created project roadmap and sketched out all short term technical requirements and data flows in order to have clear direction during active development phase
- Successfully integrated AWS SDK with docs despite being completely new and unfamiliar to it
- Created structure of application in a manner which upheld industry standards for security and codebase development

HasanDev.ca

Portfolio Site Feb 2020 - March 2020

Description: Portfolio website that showcases projects, skills, and general information in regards to professional career.

Environment: Vue, Vue Router, TailwindCSS

Skills/Methodologies Used:

- **Dynamic, Modular Components & 3rd Party API Integration**
 - Created dynamic components with emphasis on modularity and a goal of future expansion in mind, reusing code throughout the website and making maintainance/debugging easier
 - Integrated with 3rd party Hashnode API to display articles on '/articles' page
- **UI/UX Design**
 - Designed and developed several iterations of the website, each with improved design with the idea of 'user intent' in mind
 - Optimized website to make it easy for users to access what they need whether that be projects completed to date, contact info, general info, skillset, etc.

Key Achievements:

- Created project roadmap and sketched out all short term technical requirements and data flows in order to have clear direction during active development phase
- Successfully integrated AWS SDK with docs despite being completely new and unfamiliar to it
- Created structure of application in a manner which upheld industry standards for security and codebase development

Crypto API

Portfolio Project Dec 2020 - Feb 2021

Description: Web app with integrated API which returns real-time prices of certain cryptocurrencies. Currently in MVP stage.

Environment: Javascript, TailwindCSS, HTML

Skills/Methodologies Used:

- **3rd Party API Integration**
 - Integrated CoinMarketCap API to query cryptocurrency data.

PROFESSIONAL EXPERIENCE

FREELANCE PROJECTS

Benford Roofing

Freelance Project May 2021 - June 2021

- Developed a website for client to establish online presence
- Directed traffic to website through Google ads to boost clients leads by **73%** and sales by **23%**

HWAY Global


Freelance Project Feb 2020 - May 2020

- Developed a static webpage to host business information for a food catering company to increase digital presence, increasing bookings by **42%** and establishing businesses position as domain authority

INTERNSHIPS

- Crypto Mate (July 2021 - August 2021)
 - Developed smart contract to interact with Stacks blockchain and track users trading reputation through transaction monitoring to form a critical part of the companies main MVP
- Communicated with team members to build around technological shortcomings of Blockstacks technology, adapting to problems quickly

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SOCIALS

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INTERESTS

Software Development
App Design Patterns
Backend Infrastructure
Frontend Design
UI/UX

PROGRAMS

Terminal (Bash)
VS Code (Programming)
Github (Storage)
Figma (Design)
Notion (Planning)
Discord (Discussion)