

Ian Hnizdo

SKILLS

Strong: JavaScript(ES6+)/TypeScript, CSS/SCSS, React(v18+), Node/Express.js, Svelte, RESTful API, Axios, HTML5
Experienced: Kubernetes, Docker, Jest, Redux, O'Auth, Python, SQL, noSQL, Agile/Scrum, Enzyme, Bcrypt, Git, OOP, Webpack, CI/CD, AWS, Django, PHP, Next.js, Remix, GraphQL, Recoilize, Emotion, Redis, Testing

EXPERIENCE

Svelvet (<https://www.svelvet.io/>) - Software Engineer

01/2022 - Current

- Guided a team of 4 software engineers in an Agile environment to contribute to the component visualization and mapping application Svelvet while directly engaging the Svelte community to discover desired features to implement.
- Coordinated teams initialization of an intermediary NPM Package, Svelvetcake, to amend a lack of a CI/CD pipeline streamlining the publication process and improving the development team deployment speed by 40%.
- Constructed Svelte components to simplify the UI experience and remove overhead for DOM operations, and reducing total package size by 3 MB.
- Collaborated in adding additional logic to TypeScript interfaces to increase uses with Svelvet modules that included node grouping and HTML rendering which enhanced interactivity and visualization of Svelte components.
- Led the deployment of Svelvet, reviewed team members code and documented out the logic with visual diagramming, created public advertising the top 10 new features present and what future developers can add.
- Refactored codebase, reducing looping and recursive operations - improving the time and space complexity by 30%.
- Product developed under tech accelerator with OS Labs.

Environmental Industry - Environmental Consultant and Plant Operator

02/2019 - 01/2022

- Wrote VBA scripts to automate the calculation of various chemical concentrations up to 99% accuracy in plant effluent to ensure an efficient treatment system for groundwater before discharge.

Adelphi University - IT Support

11/2016 - 05/2019

- Conducted machine installation and maintenance for clients at offsite locations while servicing user devices on an as-needed basis documenting all procedures for records within tickets for a CI/CD pipeline.

OPEN SOURCE

API Driven Database Inventory - Software Engineer

08/2022-09/2022

- Established backend with Express to provide abstraction from Node.js for communications with database and API calls.
- Conceptualized token authentication and validation to access, cache, and display data from the Kroger API.
- Brainstormed the leverage of a MySQL database to provide a structured cache saving performance by 25% for repeated user entries while also querying a Kroger API to fulfill new requests.
- Introduced Axios requests with the back end to provide abstraction with automatic JSON parsing for user inventory searches reducing front end API request size by 20%.

Location Based Brewery Lookup - Software Engineer

09/2022-10/2022

- Designed test driven approach to validating full stack functionality with Jest for API requests, backend middleware, and noSQL database communications resulting in quicker debugging and reorganization of the codebase into a cleaner form.
- Integrated Google OAuth2 with jwt-decoding for a JSON web token to allow a secure yet simple login process that improved UI/UX without having to manually declare credentials.
- Incorporated SCSS rather than CSS which allowed for an organized and intuitive code structure with nesting, inheritance, and modules. This resulted in a more robust UI/UX with a 20-30% reduction in file size.
- Migrated the React version from V16 to V18 and revised legacy class components to use hooks to avoid class confusion, streamlining method bindings, and allowing sharing of state logic between components.

TALKS AND PUBLICATIONS

Web Assembly - Jeeny and Bractlet Speaker Series

[*Svelvet 4.0 – The power of HTML is now inside your nodes!*](#)

EDUCATION

Adelphi University, BA - Environmental Studies

Queens College, MS - Geoscience

09/2014-08/2018

08/2019-05/2021