HAMLET VILLA

(347) 276-3153   hamlet.villa@gmail.com   **PORTFOLIO**   **GITHUB**   **LINKEDIN**

SKILLS

Javascript | React / Redux | HTML | CSS | Python | Flask | Express | Node.js | SQL | PostgreSQL | Figma SQLAlchemy | Sequelize | Docker | Alembic | Git | Illustrator | Photoshop | InDesign | Web Accessibility Project & Team Management

PROJECTS

Chekkit (React / Redux, Javascript, Python, Flask, Docker)   live | github

Web app inspired by Reddit to give users versatility in types of posts and ability to interact with other users and join a community.

- Ensured user privacy and autonomy through backend authentication and validation measures, allowing users to only access and edit their own accounts, posts and comments.
- Leveraging AWS S3 to give app scalability and image validation along with React Dropzone and HTML Drag and Drop API for an optimized and improved user experience.
- Employed combination of highly functional Redux store and App component request dispatching to minimize requests to the database and thereby reducing load time and increasing performance.

InstaOunce (React / Redux, Javascript, Python, Flask, SQLAlchemy, Docker)   live | github

Instagram clone that allows users to create posts with captions, follow and like their friends and other users.

- Implemented and utilized AWS S3 to allow image upload functionality to users, reducing server load and allowing for scalability of image services. Service setup additionally incorporated image validation for the app.
- Utilized Redux architecture's unidirectional data flow with React for predictable state and reliable DOM rendering.
- Designed PostgreSQL database schema to create custom

Pixls (React / Redux, Javascript, Express, Sequelize)   live | github

Flickr clone that allows users to post photos, add captions and interact with other users via comments.

- Configured the Node backend with PostgreSQL, using the Sequelize ORM for validations and database queries.
- Harnessed the unidirectional state management of Redux to simplify React components and directly manage data for form inputs and submissions.
- Developed user autonomy by linking their posts to their account, allowing for fast and efficient post editing and deletion.

EXPERIENCE

Software Engineer Intern

Mozilla   May 2018 - Dec 2018

- Bubo Eye extension: Mozilla Github repo focused on improving web pages' accessibility with use of Tesseract.js port to OCR scan text within images and pushing output to the DOM for screen reader users meeting A11y/WCAG, WAI-ARIA standards. https://github.com/mozilla/Bubo-Eye/. Javascript.

- Designed, developed and tested "The Orphanage": highlighter tool that automates checking the DOM for elements that do not contain ARIA roles. JS script injects CSS into documents to highlight and then update the DOM with appropriate ARIA roles to improve site accessibility. Partner and collaborate with QA and A11y teams; screen reader testing. Javascript.

- Firefox QA/test engineering team. Contributor on "SUX" (Some Users Experience) project led by senior engineer Matt Brandt. Project aims to create a tool to automate web accessibility testing based on WAI-ARIA standards. Javascript, Python, Flask, SQLAlchemy, REST API.

Business Development & Marketing Director

Printutopia   2004 - 2016

- Owned all branding, communications, PR and identity efforts. Developed and implemented marketing plans, budget, new product introduction, pricing policies and marketing strategy with trackable ROI.

- Led team of sales, marketing and design professionals that handled all company accounts from lead generation, cold calling, signing accounts, presenting creative and handling of print projects with extensive client facing interaction.

- Acquired accounts with clients such as Anthropologie, West Elm, Metro PCS Wireless, Sweet Paul Magazine, Pennsylvania State University School of Architecture, New York Water Taxi, The New York City Department of Education, The YMCA, The Roman Catholic Diocese of Brooklyn.
- Developed and launched a large format product line that accounted for 25% of company revenue. Large format products were the most popular items ordered through the website with a national customer base.

EDUCATION

Web Development - *App Academy | Spring 2022*
BA Education - *CUNY Hunter College Double Major: Biology, Anthropology. Chemistry minor*