Mary Lark

t: 925.866.1111 e: mary@marylark.com Westminster, CO [Portfolio](http://marylark.com) [Linkedin](http://linkedin.com/in/mlark) [GitHub](http://github.com/marysue)

**Skills:** Angular, React, Redux, JavaScript, Node, Express, HTML, CSS, SQL, postgres, SQL, Sequelize, Flask, SqlAlchemy ORM, AWS, Webpack, Docker, Docker Compose, GitHub, REST API’s, TDD, Perforce

**Experience**

**Full Stack Engineer |** **CACI, Int’l May 2022 – Current**

* Dockerize development environments for easy cross-platform development
* Automate deployment of docker containers using docker-compose
* React/Angular/Typescript: development of new components, PIP windows and redux slices of state
* Create new tools using Javascript for cross-platform development
* Create raspberry pi / linux images using BitBake recipes to simulate deployment environments
* Manage development workflows with Jira
* Debugging and testing using gulp
* TDD for Angular frontend using Jasmine
* TDD for C++ backend using gtest

**Full Stack Engineer |** **PhiredUp/Techniphi**   **June 2021 – Mar 2022**

* Created new components using React Native for iOS and Android deployments
* Deployed mobile app updates to Apple AppStore and Google Play Store
* Debugged React, React Native, php, and Python code for support issues
* Participated in support rotations
* Investigated AWS issues
* Updated postgreSQL database using backend endpoints
* Updated MySQL database directly using SQL in SequelPro
* Deubgged php using MAMP Pro with Visual Studio Code
* Wrote slackbots in python for first level support use
* Maintained MongoDB

**Student |** **App Academy July 2020 – Dec 2020**

* Updated my tech stack with the latest web technologies using best practices and design patterns.

**Software Consultant | Canyon Hills Group August 2017 - July 2020**

* Architectural and design consulting providing web design and delivery utilizing Wordpress and Magento CMS

**IT Engineer | Toolwire, Inc. April 2011 - July 2017**

* Designed, implemented, and standardized Citrix and VMWare virtual environment for our SaaS systems delivery using perl scripting to prepare components, such as: LAN’s and persistent storage connections, reducing delivery time from 5 days to 1 day.
* Managed over 200 Citrix servers, updating and normalizing servers to maximize server utilization and reduce server requirements by 40%, reducing the need for added power to our server cage.
* Maintained data warehousing system utilizing visual basic for applications, transforming excel data into SQL, reducing new course roll-out time by 50%.
* Architected and delivered complex infrastructure workflow training for both engineers and course designers, reducing ticket “turnaround to resolution” time by 75%.
* Enhanced code base written in Java with Spring Boot / Hibernate, Junit and JavaBeans, JSP, and SQL on an Agile development team using JIRA and Confluence in 2-week sprints following our sprint planning sessions.

**Projects**

**Scheduler (Python, HTML, CSS, Flask, FlaskSQLAlchemy, Alembic, postgres, Webpack)** [github](https://github.com/marysue/Scheduler.git)

*Placement agency scheduling assistant for outsourcing and managing contractor placements*

* Provides authentication and authorization via API’s on the backend and authorized private routes on the frontend to maintain user security.
* Utilizes postgreSQL database for tracking contractor, placement agency, and hiring manager requests and schedules
* Provides data consistency across components using Redux store and React hooks managing UI / UX state.

**CF Riders (JavaScript, React / Redux, JSX, Node.js, Express.js, postgreSQL, Sequelize ORM)**  [github](https://github.com/marysue/CF-Riders.git)

*A Social Networking Site Providing Bicycle Equipment with customer reviews*

* Provides user security via bcrypt hashing on the NodeJS, Express backend.
* Tracking and storing data using postgreSQL/Sequelize for product ratings as well as comments
* Reusing components was the forefront of this design maintaining site consistency and reducing development time.

**Cadence (Python, React.js, Redux, JSX, postgreSQL, Sequelize, AWS, Heroku,RESTful APIs)**  [github](https://github.com/Beaukenny/Strava-clone-project.git)

*A Social Networking Site Providing Customized Route Maps for running, hiking or bicycling*

* Providing elevation, distance and time information in our UI/UX via Google maps API and AWS S3 integration for storing user uploaded workout photos associated with a particular route.
* Creating models, migrations, and database tables using Python Flask library and sqlAlchemy and Alembic

**Coredump (JavaScript, ReactJS, Redux, JSX, NodeJS & ExpressJS, Pug templates, postgreSQL).**  [github](https://github.com/mjshuff23/coredump-project)

*A Social Networking Site for Providing Software Q & A*

* Providing associations and product ratings as well as user comments with postgreSQL database design utilizing Sequelize ORM for managing db modeling and queries.

**Education**

App Academy 2020 | San Francisco, CA July 2020 Immersive 1000-hr full stack engineering course

San Francisco State University | San Francisco, CA | Bachelor of Science in Computer Science (BSCS)

**Federal Security Clearance**

Secret: Effective: 3/2023