

# Mary Lark

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Westminster, CO

[Portfolio](#)

[LinkedIn](#)

[GitHub](#)

**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 postgresSQL 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](#)

*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 postgresSQL 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, postgresSQL, Sequelize ORM**)

[github](#)

*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 postgresSQL/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, postgresSQL, Sequelize, AWS, Heroku, RESTful APIs**)

[github](#)

*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, postgresSQL**). [github](#)

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

- Providing associations and product ratings as well as user comments with postgresSQL 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