

Cynthia Spence

Software and Data Engineer

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EXPERIENCE

World 50, Remote — *Software Engineer*

November 2022 - PRESENT

Collaborated with the team to provide maintenance and support for the user interface and user experience across the social media site.

Optimized and refactored code for the platform solving performance and experience issues.

Implemented email sending services for a monthly calendar and weekly digest for users to see the activity on the platform most useful to them.

Designed and implemented PostgreSQL, Snowflake, and Salesforce for data extraction and visualization.

Olive AI, Remote — *Software Engineer*

AUGUST 2021 - SEPTEMBER 2022

Developed AI functionalities using JavaScript, TypeScript, and Node.js.

Engineered a PDF Data Extraction functionality.

Used Puppeteer and Selenium WebDriver with TypeScript to login and scrape data from web pages containing sensitive patient information.

Implemented bug fixes in AI workflows and parallel processes.

Built a process for automated software to confirm access rights using multi-factor authentication.

Scraped, cleaned, and organized data into CSV and JSON file formats for use by insurance companies and data analysts.

Optimized processes by implementing parallelization and batching, solving scaling and time consumption issues.

Realware, Remote — *Software Engineer*

MARCH 2021 - JULY 2021

Developed a GraphQL layer for an application of microservices in collaboration with another engineer using Typescript and Node.

Collected data from a PostgreSQL database in collaboration with the backend team of engineers for data visualization in the app.

Designed a PostgreSQL database used for storing Surveys and survey responses.

SKILLS

React**

React Native**

Node.js**

Express*

Apollo-GraphQL**

Flask

PostgreSQL

Neo4j

Object-Oriented Programming

Functional Programming

Problem Solving

GitHub

GitLab

Bitbucket

Slack

Jira

Notion

Confluence

Microsoft Teams

Visual Studio Code**

Visual Studio

Eclipse

NetBeans

JetBrains

CORS

Developed a the frontend of a microservice using React with TypeScript and data visualization tools such as React Flow and UI libraries including SemanticUI.

Architected the view and secure collection of data provided by users.

Researched and presented evidence-based arguments with mock-ups on technologies used in the application including the frontend framework and data visualization tools.

AAK TELE-Science, Remote — Software Engineer

DECEMBER 2020 - MAY 2021

Led a team of engineers to build a website for one of the products provided as well as the custom CMS for non-technical site maintenance.

Developed the user interface in React for the purpose of presenting a product to investors and potential customers.

Architected and engineered the custom CMS requested using Node and Express as well as Sequelize, PostgreSQL, and MySQL.

Performed code reviews for fellow engineers working on the website.

Freelance Contracting, Remote — Software Engineer

AUGUST 2017 - MAY 2021

Developed a custom alarm application for an android phone using Java and Android Studio.

Worked with a senior engineer to develop a game he designed using C++ and SDL.

Provided maintenance and support for various websites in different stages of development using React, TypeScript, GraphQL, JavaScript, and Python.

Engineered a resume upload program that also scraped data from the resumes, cleaned and organized the data into CSV files and a relational database for use in a hiring platform.

Developed pages and features for a website from Figma designs and specifications, pulling data from multiple data sources.

Highlight Tech, Yuma, Arizona — Software Developer and Tutor

AUGUST 2017 - MAY 2021

Developed websites for small local businesses using JavaScript, HTML, CSS, React, Node, Python, Flask, and various other technologies.

Developed small desktop applications using Java SE and JavaFX per custom instructions provided by clients.

Developed mobile applications using Java and Android Studio.

Tutored Computer Science and Engineering students Java, C++, web

LANGUAGES

JavaScript**

TypeScript**

Python*

Java*

C++

** : Most experience/expertise

* : Little experience/expertise

: Knowledge, but very little experience

development and design.

U.S. Marine Corps, Yuma, AZ — *Legal Services Specialist*

NOVEMBER 2015 - JUNE 2017

Coordinated schedules and conference areas for six attorneys including three active duty attorneys and three reservist attorneys.

Drafted wills and signed as a witness for military personnel and their families.

Mediated and resolved office conflicts including risks to the confidentiality of clients and their personal information and conflicts of interest for each attorney of the office.

Maintained an orderly work environment, following strict confidentiality and filing guidelines set forth in the Standard Operating Procedures.

Assisted clients and potential clients in finding the proper forms, kept on hand, and finding service with the attorney or paralegal best fit for their legal needs.

EDUCATION

Arizona Western College, Yuma, AZ — *A.S. Computer Science*

MONTH 20XX - MONTH 20XX

Assisted the Computer Science professor with updating course content, creating resources for classes.

Provided classroom maintenance and IT support for the Computer Science department.

Tutored others in Computer Science concepts and Programming language basics.

Graduated with a 3.5 GPA.

Arizona Western College, Yuma, AZ — *A.S. Engineering*

MAY 2018 - MAY 2020

Tutored others in C++ basics.

Graduated with a 3.5 GPA.

Arizona Western College, Yuma, AZ — *A.S. Physics*

MAY 2018 - MAY 2020

Tutored others in earlier Physics courses.

Graduated with a 3.5 GPA.

Arizona Western College, Yuma, AZ — A.A. Mathematics

MAY 2018 - MAY 2020

Participated and won 4th place in the AMATYC Mathematics competition.

Participated in the AMATYC Research Competition with a team and won 2nd place.

Developed an energy use and cost calculator application for the AMATYC Research competition team using JAVA SE 8.

Graduated with a 3.5 GPA.