JESSICA CLAIRE

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PROFESSIONAL SUMMARY

I am a **Full-Stack Developer** with **3+ years** of experience. I was initially captivated by software engineering due to a love of investigation, innovation, and creative solutions, leveraging soft skills and programming knowledge to build extraordinary progressive web applications. I am always looking for ways to grow, improve, and learn new things. I'm just hoping to change the world one line of code at a time.

SKILLS

- Python
- Javascript
- Typescript
- React TSX
- C++ Programming Language
- Node Js
- Flask
- Scikit library
- GraphQL
- CD/CI pipelines
- Object Oriented Programming/ Design Patterns
- Memory management

- Multithreaded development
- STL C++
- Data visualization (D3.js, Chart2.js, leaflet.js)
- Oracle Database
- PostgreSQL
- MySQL
- Git
- Google Cloud Platform
- AWS
- Heroku
- Jupyter/Anaconda
- Linux

EXPERIENCE

Full Stack Developer, 04/2020 - Current
Horizontal – Cincinnati, OH
- Development of progressive web applications.
- Front end : Typescript, React.tsx, Ionic framework, Integration and unit testing.
- Backend : Python (Flask : Mail, Login, SQLAlchemy, SocketIO, Cors) .
- DataBase : PostgreSQL
- Data visualization : D3.js, Chart2.js, Leaflet.js, Ag-grid, MDBTables.
- Axios, Redux, Flux, Hooks.
- Cypress, Jest, and Enzyme.
- Project Management System : Taiga
- API design experience using Open API (Swagger)
- Web-based technologies (HTTP, JSON, WebSockets, RESTful Web Services , Babel, Webpack and NPM)
- Contribute back-end development experience and collaborate on multiple APIs and websocket crucial to functionality.
- Conduct full life-cycle software development in multiple software environments.
- Collaborate with agile development team to test, develop and maintain web and desktop-based software applications.
- Gather, define and translate client requirements into product stories and actionable tasks.
- Define and conduct design processes at all stages, including research, conceptualization, testing and implementation.

Freelance Full Stack Developer, 11/2016 - 09/2019
Freelancing Web Applications – City, STATE
- **Clients : SCSU cs department, Rs Metrics, Yale University**
- Develop single-page applications using React JSX
- Backend : Python (Flask : Mail, Login, SQLAlchemy, SocketIO, Cors)
- Experience with web-based technologies (HTTP, JSON, WebSockets, RESTful Web Services, etc.)
- Experience in web tooling such as Webpack, NPM, Yarn
- Design, implement and deliver high quality software solutions that conforms to architectural standards
- Define database design specifications based upon project requirements.
- Develop data models and database designs to plan projects.

Web Application Developer Intern, 03/2016 - 09/2016
Capgemini – City, STATE
Responsibilities :
- Responsible for development of new highly-responsive, web-based user interface
- Work and collaborate with the rest of the engineering team
- Work with product team and graphic designers
- Learn and understand user interactions
- Develop a flexible and well-structured front-end architecture, along with the APIs to support it
- Programming Language : Python
- Front-end : React.JSX, Bootstrap
- Database: PostgreSQL

EDUCATION AND TRAINING

Bachelor of Science: Computer Science, 08/2020
Southern Connecticut State University - New Haven, CT

Computer Science
Gateway Community College - New Haven, CT

Bachelor of Science: Computer Engineering, 08/2016
Ecole Marocaine De Sciences De L'ingenieur - Casablanca, Morocco

ACCOMPLISHMENTS

Single-page Application Smart Survey:
Developed a single-page application that is intended to allows the faculty members to have an efficient platform for creating customizable and dynamic surveys.
+Heroku
+**Web Framework :** Flask
+**Programming Language :** Python
+**Template Library :** Jinja2
+**JSON, CORS origin**
+**Front-end :** React JSX and HTML5/ CSS (Bootstrap)
.

Mobile Application MysterEats :
Developed a friendly mobile web application.
+**Google map APIs, Uber APIs**
+**Web Framework :** Flask
+**Programming Language :** Python
+**Template Library :** Jinja2
+**Front-end :** HTML5/ CSS and Javascript
.

Process Management Application in C++:
Developed an application that manages a process execution, wait and turnaround time.
+ **C++**
+ **STL**
+ **Object Oriented Programming**
+ **Multithreading development**
.

Data Mining Final Project in Python:
The project is mainly about exploring a large dataset in order to analyze and generate new information using Python and Scikit library.
Project achievement :
+ **Exploring Large Dataset.**
+ **Analysis.**
+ **Practice for model evaluation.**
+ **Practice for machine learning algorithms.**
+ **Jupyter, PyCharm and Anaconda expertise**
.

Mario Sokoban and Mario Target Shooting in C :
Developed 2D games using SDL, Fmod and C as a programming language.
+ **C**
+ **SDL**
+ **FMOD**
.

Dictionary Manager in C:
Developed a memory manager program.
+ **C**
+ **Memory management**
+ **Algorithms, Data structure**
.

Process and I/O Management in C:
Developed a program that manages a process execution on a single CPU and I/O using C programming language.
+ **C**
+ **Memory management**
+ **Algorithms, Data structure**
.

Design a 4/8 bit Processor ARM assembly :
Designed an ARM Processor and have successfully been able to run it virtually on Logisim.
+ **ARM assembly**
+ **Keil**
+ **Logisim**
+ **Computer systems**

Southern Connecticut State University Dean's list for spring 2020