

# Susan Chesnut

## Software Engineer

Houston, TX 77019 (willing to relocate)

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## SUMMARY

A problem solver at heart and Software Engineer by trade. Currently working with React.js, Python, Docker, PostgreSQL, and Azure services as a full-stack web developer. Looking to work on challenging problems in a motivating environment and dreaming to combine software engineering skills with a respect of nature.

## SKILLS

Beginner: React, CSS, Docker, HTML, Python, PostgreSQL, CUDA, Cypress, Azure, Parquet, Neo4j

Intermediate: Agile, C++, Linux, JavaScript, Git, TFS, JIRA, Bamboo, Azure DevOps, Qt

## WORK EXPERIENCE

### ExxonMobil, Full-Stack Web Developer

04/2019 - Present

- Implements frontend & backend features for a multi-page web application using React.js, CSS and Python
- Creates React applications as part of a micro frontend architecture
- Collaborates with internal development, product management, and design teams to deliver user-centered product
- Modifies and creates Cypress tests for new and existing solutions
- Participates in code reviews using Azure DevOps
- Encourages Scrum methodologies, CI/CD pipelines, and RESTful APIs

### ExxonMobil, Software Engineer

02/2018-04/2019

- Coached and facilitated Agile methodologies to newly forming scrum teams
- Developed and maintained proprietary C++ based High Performance Computing subsurface imaging application
- Collaborated with domain experts to translate new technologies into production-ready application features (Linux & Windows)
- Enhanced legacy C++/CUDA code on C#-based Petrel plugins

### ExxonMobil, Team Lead

05/2017-02/2018

- Facilitated development team's Agile process as Scrum Master
- Coordinated with project vendor for fast turnaround on upgrades and critical product issues
- Managed software release process and ensured all phases were planned and completed
- Collaborated with product owner to prioritize backlog and create consumable, deliverable units of work

## **ExxonMobil, Technical Software Engineer**

09/2015-05/2017

- Developed full-stack on a C++ Linux-based application
- Automated and managed project's build process, optimizing for a 30x speed-up
- Translated research algorithms into C++/CUDA
- Collaborated with vendor to resolve technical and performance concerns
- Designed user-centered interfaces for ergonomic workflows

## **PERSONAL PROJECTS**

### **Automated Plant Lights**

2017

- Raspberry Pi project to automate lights for indoor plants
- Connected RF Receiver/Transmitter to the Raspberry Pi by following a schematic and GPIO diagram
- Programmed Raspberry Pi to intercept RF Receiver/Transmitter signal using WiringPi and RFSniffer
- Created a cron job to emit signals to best boost plant flowering

### **susanchesnut.com**

2019

- Learned & applied JavaScript, React, CSS, and HTML to build a personal website
- Chose hosting plan and domain
- Built production-ready React app and deployed to production environment
- Debugged and resolved production issues quickly
- Managed version control and received feedback using GitHub

### **Agile for Life**

2019 – Present

- Manages and improves job hunting and learning tasks with physical Kanban board
- Limited WIP to 3 after multiple weeks of massive number of in-flight tasks
- Defines and maintains weekly process – 5 min stand-up 3xs a week

## **EDUCATION**

### **Bachelor of Science in Computer Science, *summa cum laude***

GPA: 4.0/4.0

Auburn University

2015

### **Bachelor of Science in Applied Discrete Mathematics, *summa cum laude***

GPA: 4.0/4.0

Auburn University

2015

## **CERTIFICATES**

Certified ScrumMaster® (CSM®)

2018