

Susan Chesnut

Software Engineer

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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 - 10/2020

- 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

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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