

WORK EXPERIENCE

Full-Stack Web Developer

ExxonMobil

04/2019 – Present

Houston, TX

- Implemented features (front & backend) to a multi-page web application using Javascript, CSS and Python
- Enhanced Petrel plugin client to have better error handling using C#
- Worked closely with internal development, product management, and design teams
- Advocated for implementing UI tests and backend API reorganization. Encouraged Scrum methodologies and CI/CD pipelines.

Technical Software Engineer

ExxonMobil

02/2018 – 04/2019

Houston, TX

- 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

Team Lead

ExxonMobil

05/2017 – 02/2018

Houston, TX

- 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

Technical Software Engineer

ExxonMobil

09/2015 – 05/2017

Houston, TX

- Developed full-stack on a C++ Linux-based application
- Automated and managed project's build system, 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

TECHNICAL SKILLS

C++

Linux

CUDA

SVN

JIRA

Agile

Bamboo

Git

Bash

UX

Qt

Scrum

TFS

QtCreator

Javascript

React

Python

Cypress

VS Code

Postman

Azure

Docker

Flask

PROJECTS

Automated Plant Lights (Past)

Raspberry Pi project to automate lights for indoor plants

Personal Portfolio (Working now)

Learn & use JS, HTML, CSS while building a personal website

Agile for My Life (Ongoing)

Keep a physical Kanban board for job hunting and learning tasks

Plant Monitoring Web Application (Future)

Build an application that uses videos and sensor data to provide real-time monitoring of balcony garden

EDUCATION

Auburn University (08/2010 – 05/2015)

- Computer Science, BS 4.0/4.0
- Applied Discrete Mathematics, BS 4.0/4.0

CERTIFICATES

Certified ScrumMaster® (CSM®) (06/2018 – Present)

ORGANIZATIONS

A 2nd Cup (09/2016 – 10/2017)

Volunteer Coordinator

LANGUAGES

C++

Bash

Python

Javascript