

JD SHAEFFER

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Portland, OR

Software Engineer with expertise in Python, JavaScript, TypeScript, React, and Node.js. Demonstrated success in building, deploying, and maintaining robust and scalable applications. Known for a strong work ethic, exceptional communication skills, and a collaborative approach that drives team success and delivers high-quality results.

SKILLS

Languages:

Python, JavaScript,
TypeScript, HTML/CSS,
Java, C#, C++

Frameworks:

React, Node.js,
Express.js, Flask,
Vue.js, Cypress.io

Databases/Tools:

PostgreSQL, MySQL,
SQLAlchemy, GraphQL,
ElasticSearch, Redis,
K9S

DevOps/Other:

Git, CI/CD via Github
Actions, Docker,
Kubernetes, AWS
(Lambda, EC2, EKS,
RDS, S3, SQS/SNS,
etc), GCP, NGINX,
Bash/Zsh, New Relic

PROJECTS

NYCMUD:

Developed a
React/TS/Node.js MUD
(multi-user dungeon),
served via NGINX

HIPS:

Leading a small open-
source team to design
and develop a
multiplayer
React/TS/Node.js/Sock
et.io game

ACHIEVEMENTS

1st Place Team
Women in Computer
Science Programming
Competition
Arizona State
University, 2018

EDUCATION

BS Computer Science
Arizona State
University
May 2020

EXPERIENCE

Senior Software Engineer

Butterfly Network, Inc Nov 2021 - Present

- Developed enterprise medical workflows using React and TypeScript in the frontend, an Apollo GraphQL gateway, Python, Flask, and PostgreSQL in the backend
- Diagnosed and resolved urgent 3rd-party API upgrades and integrations on the critical path
- Utilized New Relic, Splunk, and AWS services (including SQS message monitoring, checking pod health in EKS, etc) to triage and quickly address production issues while on-call
- Partnered with engineering team members to identify and optimize poorly performing CRUD operations which enhanced database query efficiency
- Led deployments in various environments using CI/CD via Github Actions, updated run-books as process evolved
- Mentored colleagues through pairing, code review, running lunch and learns, and scrum master responsibilities
- Created architecture design documents in close functional collaboration with senior engineers, product owners, and QA engineers

Full Stack Developer

Jigawatt May 2020 - Sep 2021

- Architected a Node.js RESTful API interfacing with MySQL databases for a solar power financing platform that automated existing manual data transfer
- Developed three production-grade Vue.js UIs, implemented CI/CD for deployments and real-time error logging, resulting in rapid delivery of critical product enhancements

Frontend Developer

The Luminosity Lab Aug 2018 - May 2020

- Implemented landing pages in React and Gatsby.js based on design team mockups in an agency-like environment for several applications
- Mentored 50+ students and developers at various hackathons and tutorials with the goal of web development mastery and software engineering fundamentals

Software Engineer Intern

Hughes Network Systems May 2019 - Aug 2019

- Implemented a MEAN stack app using Python that increased testing to over 1000 components of the company's bandwidth allocation software

Google Cloud Platform Ambassador

Google Oct 2017 - May 2018

- Organized and led Google Cloud Platform events, collaborated with Google engineers to educate students and faculty on cloud technologies, which enabled them to launch personal applications