

Jade Michael Thornton

Software Engineer – The Woodlands, TX (seeking remote)

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Software engineer with 6 years professional and open-source experience designing and implementing solutions to complex problems, with a focus on exceptional user experience. Seen as a go-to guru in Javascript and Python, currently working with Python, Nix, TCL, SQL and React. Considering new opportunities to expand skills and experience, especially interested in machine learning, data engineering and the aerospace field. Interested in a company with a strong, positive culture and friendly, relaxed work environment.

Skills

Experienced

Javascript, React, Handlebars/Mustache, Node
Python, Jupyter, mypy (limited Hy experience)
SQL (Postgres, Oracle, SQLite)
TCL, Apache, Rivet
HTML, CSS, Sass/Less
Git, GitHub, GitLab
CI/CD (Jenkins, GitLab, GitHub)
OpenLayers, OpenStreetMaps, Mapbox

Rusty

Java
Clojure
Ocaml, Reason
Groovy, Grails, MVC architecture
C (Lua, limited C++ experience)
Tableau

Limited experience

Rust
Haskell
Nix
Docker
Machine Learning, PyTorch
Pandas

Highlighted Experience

FlightAware; Houston, TX – Software Engineer

2018 – Present

Develop and maintain full-stack web applications and services with more than 13 million users, and oversee CI/CD through a Jenkins and custom pipeline. Significant member of the recruiting team.

- Engineered a new OpenLayers map system, achieving improved data quality while simultaneously reducing data usage by 50% and costs by 75%. Contributed to OpenStreetMaps on behalf of the company, especially airport information.
- Collaborated closely with a small team to re-architect a legacy family of consumer services into a flexible, user-oriented product, with clear branding, streamlined product bundling and self-service account management. Utilized an overhauled PostgreSQL and SQLite schema exceeding previous performance with normalized data.
- Led a team of four in creating a new careers site, replacing static file pages with a dynamic CMS API-powered system and a reinvented application process, completed a month ahead of schedule.

Maverick Software Consulting; Minneapolis, MN – Software Engineering Consultant

2017 – 2018

Worked exclusively with Thomson Reuters to develop critical global financial reporting, utilizing Java, Groovy, Grails and Tableau.

- Planned and led the improvement of internal documentation wiki sites, resulting in increased security and significantly decreased maintenance cost.
- Designed and led the implementation of a D3.js financial visualization framework which drastically reduced feature implementation time and technical debt.

Humphrey School of Public Affairs; Minneapolis, MN – Software Developer, Technical Support

2014 – 2017

Created custom software, course websites and support material for the Technology Enhanced Learning and Human Resources departments.

- Developed HR workflow software with third-party API integration, cutting processing time in half.
- Created automated asset lending system, enabling greater component retention and eliminated confusion.

Education

Saint Paul College; St. Paul, MN – A.S. in Computer Science

Organizations & Interests

Bunny Buddies (Volunteer, Foster Home) – Houston rabbit rescue organization

Hobby aerial and nature photography – View a portfolio at photos.jmtornton.net

Open source software – Creator and contributor to dozens of FOSS projects. View highlights at jmtornton.net