Jade Michael Thornton

Software Engineer – The Woodlands, TX (seeking remote)

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Skills

Experienced

Javascript, React.js, Handlebars/Mustache
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

Experience

FlightAware; Houston, TX – *Software Engineer*

2018 – Present

Develop and maintain full-stack web applications and services serving more than 13 million users, and oversee CI/CD through a Jenkins/custom pipeline.

- Developed a new OpenLayers map system which provides improved data quality while simultaneously reducing data usage by 50% and decreasing 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 a restructured PostgreSQL and SQLite data store.
- Led a team of four in creating a new careers page, replacing a hard-coded file-based system with a dynamic CMS API-powered system with a reinvented application process.

Maverick Software Consulting; Minneapolis, MN – *Software Engineering Consultant*

2017 – 2018

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

- Designed and developed HR workflow software with third-party API integration, decreasing hiring processing time by half.
- Created an automated asset lending system, replacing a manual written process, enabling greater component retention and lendee satisfaction.

Education

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

Projects, Organizations, Interests

Bunny Buddies (Volunteer, Foster Home) – Houston rabbit rescue organization
Hobby aerial and nature photography – View my portfolio at photos.jmthornton.net
http-server – A popular drop-in static file server *(Node.js)*
Multiple Emacs packages – Rivet-mode, aero-theme, el2md, pomp; maintainer of several more *(Emacs Lisp)*