

Jade Michael Thornton

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Software Engineer – The Woodlands, TX (seeking remote)

I'm a software engineer with experience and expertise in designing and implementing full-stack solutions to complex problems. I lead development of [http-server](#)—the best static file server for Node.js—and contribute to dozens of other FOSS projects. I also volunteer as a foster home for rescued rabbits with Bunny Buddies, and spend free time as a hobbyist multi-rotor drone pilot and amateur aerial photographer. I hold an AS in Computer Science from Saint Paul College in St. Paul, Minnesota.

I'm currently considering new remote opportunities to expand my skills and experience in a company with a positive culture and friendly work environment, with a special interest in engineering which positively impacts people's lives, particularly in the aerospace field.

Highlighted Experience

FlightAware (Collins Aerospace); Houston, TX – Software Engineer 2

2018 – Present

- > Designed and engineered an intuitive web app which allows non-technical users to configure and activate low-power ADS-B receivers, all without touching a terminal.
- > Championed for modernization within FlightAware by leading the adoption of React.js and ESLint. Pioneered the use of our open-source [Tohil library](#) and promoted the use of type checking. Developed a valuable proof-of-concept of a Docker service defined by Nix, paving the way for the company-wide adoption of the pairing.
- > Engineered a new OpenLayers map system to utilize compressed vector format, caching and optimized styling, improving data quality while cutting data transmission by 50% and costs by 75%.
- > Re-architected a legacy system of consumer services into a flexible, user-oriented product bundling. Overhauled the supporting PostgreSQL and SQLite schema to exceed previous performance and maintainability.
- > Mentored multiple junior developers, helped develop skills, gain domain knowledge and continuing to provide ongoing professional and personal support.

Maverick Software Consulting; Minneapolis, MN – Software Engineering Consultant

2017 – 2018

- > Worked exclusively with Thomson Reuters to develop critical financial reporting, visualization and management.
- > Designed and led the implementation of a D3.js web-based visualization framework which drastically reduced feature implementation time and technical debt, complementing parallel development of custom reporting in Tableau.

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

2014 – 2017

- > Created custom HR software, course websites and faculty support material for the Technology Enhanced Learning (Academic IT) and Human Resources departments. Enabled greater component retention with an automated asset lending system

Skills

Experienced

Javascript, React, Handlebars, Node
Python, Jupyter, mypy
SQL (Postgres, Oracle, SQLite)
Nix, Docker
HTML, CSS, Sass/Less
Git, GitHub, GitLab
CI/CD (Jenkins, GitLab, GitHub)
OpenLayers, OpenStreetMaps, Mapbox

Rusty

Java, Spring
Clojure
Ocaml, Reason
Groovy, Grails, MVC
D3.js, Chart.js
Tableau

Foundational experience

Rust
Haskell
RabbitMQ
Varnish, Redis caching
Machine Learning, PyTorch
Pandas