Joseph Dykstra

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About Me

I am a full-stack software developer. I enjoy working with a friendly team that takes satisfaction in their work.

Knowledge

Languages

- JavaScript
  - Server: node.js, npm
  - Browser: jQuery, HyperScript, Browserify
- HTML
  - Mustache
- CSS
- SQL
- ColdFusion
- C
- Batch
- Shell script

Tools

- Git interfaces: CLI, GUI
- Git hosts: GitHub, Bitbucket, DevOps
- Command line: Windows, Linux
- Continuous Integration, Deployment

Experience

FACTS SIS | April 2015 - [Present]

I am currently working for FACTS SIS on the SIS (Student Information System) product. Schools use the SIS for Admissions, Attendance, Communication, Health Info, Gradebooks, Report Cards, Class Scheduling, Staff/Student/Family Info, Transcripts, and more.

I work with a team to fix issues that clients have, and develop new features or new projects for thousands of schools. I ship code regularly, and I enjoy helping my fellow team members.

- I have created a mailing-label system so schools can print Mail Labels, ID Cards, barcodes, and more onto standard Avery label sheets.
- I have worked with REST APIs to sync school data with 3rd party school-related software, such as Learning Management Systems.
- I fix a variety of issues. E.g. invalid data, security issues, optimizing database queries, etc.
- I'm the primary maintainer for a system that builds SQL queries for data stored in 50+ tables. The user selects data fields, filters, and sorting options, and the system exports a spreadsheet of the selected data.

This is the only software company that I have worked for.

Personal Projects | July 2008 - [Present]

Github Repositories - NPM modules

- I wrote Tab Emitter, which provides a node.js-like Event Emitter object in the browser to emit events between multiple same-origin tabs
- I wrote Comics RSS, which serves RSS feeds for over 500 comic strips, which are generated by my automated script that scrapes gocomics.com
- I helped write Just Login, an email-based authentication library for node.js servers
- I have created hundreds of pull requests on Github to various open source projects
- I have written and I maintain over 50 JavaScript modules for node.js
- I wrote Snake, Tetris, and an 8-Queens Solver in C

References

- Josh Duff
  - https://joshduff.com
  - Developer
- Tobias Davis
  - https://davistobias.com
  - Developer
- Seth Dykstra (Family)
  - On-Site IT Support, P&L Technology
- David Dykstra (Family)
  - Owner of Millennium Construction (Omaha)
- Michael Dykstra (Family)
  - Apprentice plumber, Schulte Plumbing