

Nathan Friend

SUMMARY

I am a front-end software engineer with a passion for creating elegant solutions to complex problems. I am fascinated with usability and aesthetics and strive to create beautiful, productive software. I thrive in team environments and love learning new technologies and methodologies. As a self-motivated learner, I am continually seeking ways to sharpen my skills and deepen my knowledge in all areas related to the software industry.

EDUCATION

Masters of Human Computer Interaction

Iowa State University, Ames, IA 50011

Expected Graduation: June, 2019

Bachelor of Arts in Computer Science: System Administration

Minor in Music Performance: Cello

Dordt College, Sioux Center, IA 51250

Graduation: May, 2013

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, C#, CSS, Less, Sass, HTML, SQL

Frameworks, Libraries, and Platforms: AngularJS, Angular, Knockout, D3, AngularJS Material, Angular Material, Bootstrap 3, .NET and .NET Core, Node, Hapi, Electron, Jasmine, Karma, WebdriverIO, Solr, jQuery, WebGL, WPF, Web API 2, Entity Framework, Keycloak, Oracle, SQL Server, NGINX, Apache, Ubuntu

Tools: Webpack, Gulp, Grunt, NPM, Angular CLI, Yeoman, Jenkins, Git, SVN, TFVC, TFS, Jira, Confluence, Upsource, Docker, AWS, Visual Studio, Visual Studio Code, Balsamiq Mockups, Agile/Scrum

Concepts: Single Page Applications (SPAs), internationalization (i18n), web analytics, unit testing, continuous deployment, user experience testing, REST API design, cross-browser debugging, responsive design, developer workflow optimization

EXPERIENCE

Computer Systems Analyst for DeltaWare

August 2016 - current

- Architected the front-end for DeltaWare's newest line of web products
- Lead AngularJS to Angular 2+ conversion effort
- Introduced and implemented TypeScript for compile-time safety
- Optimized developer workflows with Yeoman generators, incremental building, and LiveReload capability
- Assisted in the hiring of several new employees
- Performed code reviews for new employees and served as their primary technical mentor
- Implemented Google-like searching functionality using Solr
- Worked directly with clients and business owners to capture requirements, review designs, and demo prototypes
- Pushed for best practices such as continuous deployment, code reviews, UI mock-ups, open source participation, and documentation