

Troy E Foster

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A software developer, architect, and manager with extensive full-stack development experience emphasizing front-end technologies.

Technologies (non-exhaustive) - JavaScript, ExtJs, Angular.js, jQuery, Grunt, various other JS libraries, html5, scss, css, Java, C#, PHP, Python, RDBS, AWS, SimpleDb, S3

LinkedIn - <https://www.linkedin.com/in/troyef>

StackOverflow Profile - <http://careers.stackoverflow.com/troyef>

Gitub - <https://github.com/troyef>

Thetus Corporation - (Nov 2013 - Present) Thetus produces software enabling analysts to gather and process disparate data in order to understand complex situations, tell stories, and inform decisions.

Manager, Principal Engineering - Feb 2015 to present

As manager of the principal engineering team, I lead a team of software architects to define and nurture the technical roadmap for the engineering teams. I work across departments to anticipate architectural needs for new products and features as well as client-specific and deployment needs.

- Define vision and goals for the principal engineering team.
- Prioritize work for principal engineers based on product needs and technical roadmap.
- Coached engineers on improving productivity and effectiveness.
- Managed performance and reliability across the software stack.
- Defined Principal Engineering role and individual member focus areas; selected new PEs for the team.
- Led daily and weekly meetings with the team and individuals to ensure alignment with engineering and product priorities.

Client Principal Engineer - May 2014 to Present

As a Principal Engineer, I am the lead architect for the client stack. I make architectural decisions and solve the hard problems. Upon taking on the PE manager role, I maintained Client PE responsibilities.

- Analyzed needs and created architectural designs for client side development work to meet product requirements.
- Implemented software solutions for the more difficult and performance-related client-side development challenges.
- Researched and selected tools and third-party libraries for integration into web applications.
- Mentored junior developers on development principles and practical development methods.
- Served on the Engineering Technology Governance Council to determine engineering best practices and processes.

Web Application Developer - Nov 2013 to May 2014

- Design and Implementation of the Savanna web application in JavaScript using framework components such as ExtJs, DeftJs.
- Worked with a development team to exceed development goals using an agile process according to the product owners' priorities and the design team's requirements.

Mercury Intermedia - 6 months (April 2013 to Nov 2013) Mercury is a software development agency that provides identity, design, and development services. They specialize in custom data-driven native mobile applications.

Platform/Web Developer

- Implemented client-side web apps both for internal use and for clients, including both the Javascript and layout components, using frameworks such as KnockoutJs and Angular.js and using sass styling tools. Backend work included .net and Node.js systems.
- Developed Javascript API libraries for the Mercury proprietary M3 CMS system and third party data services.
- Developed a C# Web API RESTful implementation of the M3 API including tests and data-layer components.

Rustici Software - 5+ years (2007 to 2013) Rustici develops standards-based tools and libraries to assist companies in their online learning efforts.

Sr. Developer

- Web Application Developer for the ongoing SCORM Cloud project.
 - Led the implementation and maintenance of the front-end of the site development.
 - Implemented and maintained the production services and web application site in Java using the STRUTS2 framework and hosted on Amazon EC2 instances with SimpleDb and S3 data storage.
 - Provided end user and developer support for the site and API integrations.
 - Built and maintained API libraries for the SCORM Cloud service in Java, .Net, PHP, and Python.
 - Built and maintained API integrations for Dokeos, WordPress, Google App Engine.
- Designed and implemented Reportage, a SCORM Data reporting tool to accompany SCORM Cloud. Implemented using PHP with a mysql datastore.
- Designed and implemented the eLearningAtlas.com elearning directory site.
 - Integrated with services such as twitter, facebook, LinkedIn, Disqus, Google Maps, Google Custom Search.
 - Implemented a custom Youtube channel widget in PHP.
- Implemented custom functionality for multiple clients (military, corporate, etc.) for the locally installable SCORM Test Track web application.
- Maintained and Enhanced the SCORM Engine eLearning delivery tool to maintain SCORM conformance.
- Created initial prototypes for the new Tin Can API specification.

Gallagher Financial Systems - 3 years (2004 to 2007) Gallagher develops loan origination software.

Web App Developer

- Maintained and enhanced enterprise mortgage origination web application software in C#; specialized in interfaces to third party systems.

Milsoft Utility Systems - 2 years (2001 to 2003) Milsoft develops engineering and operations software for electrical utility co-ops.

Developer

- Implemented map translation tools to transfer data between different map and drawing formats and various other development-related tasks.

MS Software Engineering - Texas Tech University - 2003

BS Computer Science - Abilene Christian University - 2001