

Michael Nelson

Lead Software Engineer
Prosper, TX

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Employment

- **USAA** Plano, TX
 - Lead Software Engineer* *Mar 2020 — Present*
 - Senior Software Engineer* *Dec 2018 — Mar 2020*
 - Software Engineer* *Sep 2017 — Dec 2018*
 - Portfolio System Architect responsible for architectural decisions and artifacts to facilitate business objectives. Provide technical guidance to over 80 developers across 12 execution teams including design, implementation, and maintenance.
 - Cultural and process champion as a founding team member of a Tech Transformation initiative to promote adoption of industry standard practices and infrastructure.
 - Experienced Tech Lead, subject matter expert on multiple applications, responsible for feature delivery, ensuring best practices and mentoring colleagues.
 - Developed responsive web applications using React, Redux, Jest, Selenium, and Cypress. Maintained mock servers, custom React components, alerting and monitoring, and ensured accessibility standards were upheld.
 - Saved development and testing time enterprise-wide by creating an internal Chrome extension to automate test user authentication and environment routing.
- **Investnet** Plano, TX
 - Senior Software Engineer* *Jan 2017 — Sep 2017*
 - Software Engineer* *Oct 2014 — Dec 2016*
 - Principal developer in Placemark’s acquisition to integrate their industry-leading technology into Investnet’s platform through an AngularJS application.
 - Tech Lead for modernizing Investnet’s trading platform in React.
- **Placemark Investments** Addison, TX
 - Software Engineer* *Jul 2013 — Sep 2014*
 - Placemark Investments was acquired by Investnet*
 - Developed proprietary web applications for financial advisors and led team with best practices in UI standards.
 - Developed internal trading applications for money managers with Tcl/Tk.
 - Proactively sought opportunities to innovate by creating a Pivotal Tracker API wrapper in Python that automated project management workflows.
 - Spearheaded a custom dashboard to monitor and display server health from Nagios’ API supporting internal infrastructure teams.
- **Vertical Nerve** Dallas, TX
 - Junior Web Developer* *Sep 2012 — Jun 2013*
 - Developed responsive websites with a proprietary PHP Zend Framework CMS.
 - Lead transition from proprietary PHP CMS to Drupal.
 - Monitored support system and resolved support tickets for production websites.
 - Developed dashboards rendering live data from Google Analytics and Facebook.

- **University of North Texas System** Denton, TX
Web Developer *Apr 2012 — Sep 2012*
 - Developed UNT’s Information Technology Shared Services (ITSS) website in Drupal 7.
 - Managed roles and access at a highly granulated level utilizing Workbench Access and implemented a workflow for posting and approving content.
 - Extended UNT’s Drupal theme and modified for ITSS branding.
 - Performed Drupal training for UNT employees
 - Migrated websites and data from Drupal 6 to Drupal 7 for ITSS departments.

- **Roobix, LLC** Arlington, TX
Web Developer (Remote Contractor) *Dec 2010 — Sep 2012*
 - Contract to develop features for Service King website
 - Developed a user rating workflow process for users.
 - Developed custom HTML, CSS, PHP, and jQuery.
 - Constructed and parsed SQL, XML, RSS.
 - Utilized SOAP protocol in PHP for web services.
 - Integrated Facebook API allows users to share a review.

- **University of North Texas** Denton, TX
Web Developer *Feb 2008 — Apr 2012*
 - Maintained sixteen UNT department websites under the Office of the Provost.
 - Developed custom HTML, JavaScript, CSS, and graphics.
 - Migrated websites to Drupal for efficient management of content and users.
 - Performed Drupal training for department managers to empower them to customize and maintain their content.

Education

- **University of North Texas** Denton, TX
B.A., Information Technology *2007 — 2012*

Skills

Languages: JavaScript, Node.js, Java, Python, Bash

Frameworks, Libraries & Tools: React, Redux, Webpack, Sass, Jest, Mocha, Chai, Selenium, Cypress, Gatsby

Other: Linux, Git, Jira, JSON, CSS, HTML

Awards and Honors

- **OOSA Award** Feb 2018
USAA
 - Awarded quarterly to an employee who promotes an innovative culture
- **ABCD Award** Dec 2013
Placemark Investments
 - Awarded annually to an employee that went Above and Beyond the Call of Duty

Open Source Projects

labor-notifier: This is a simple Twilio application that will automatically text persons who have elected to be notified when your child is born preventing you from manually notifying friends and family, giving you time back to focus on your newborn.

<https://github.com/michaelwnelson/labor-notifier>

reddit-modqueue-discord: This is a simple bot that will authenticate to a given reddit account, pull reports from a given subreddit, and post the new reports to your Discord.

<https://github.com/michaelwnelson/reddit-modqueue-discord>

pytracker: This is a project I forked and updated to automate **Placemark Investment's** Pivotal Tracker processes. It's a simple Python API that wraps the Pivotal Tracker REST APIs.

<https://github.com/michaelwnelson/pytracker>

fcdallas-css: I created this project to provide a custom stylesheet for the FC Dallas subreddit.

<https://github.com/michaelwnelson/fcdallas-css>

<http://reddit.com/r/fcdallas>

mls-standings-scrapers: I created this project, similar to **fcdallas-css** above, to scrape live data and generate a Markdown table of the MLS standings for the FC Dallas subreddit sidebar.

<https://github.com/michaelwnelson/mls-standings-scrapers>

angularjs-dropdown-multiselect: Contributor.

<https://github.com/myforce/angularjs-dropdown-multiselect>

react-tabs: Contributor.

<https://github.com/reactjs/react-tabs>