William T. Dafeldecker

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Professional Experience

11/2015-present: *Information Technology Analyst 3 at New Jersey Judiciary – Trenton, NJ*

- I serve as web-team project leader and a lead developer. Responsibilities and duties include, but are not limited to:
  - Develop new solutions to improve workplace/website efficiency.
  - Project planning for new services or solutions when issues/requests are presented to the team.
  - Communication with various team leadership throughout the Judiciary to establish a resolution to their needs.
  - Extensive knowledge of enterprise-level content management systems, SharePoint (2013, 2016, O365), Drupal, server and client-side scripting, PHP, HTML 5, CSS3, and JavaScript. Familiarity with TypeScript, AngularJS, React, Twig, Java, Linux, MySQL, SQL, SOAP, REST, TCP/IP, TLS and IIS, ADA and WCAG Compliance.
- Troubleshoot and resolve complex issues within my team and other teams within the Judiciary.
- Learn and stay up to date with web design technologies and standards web site accessibility standards.
- Mentor other team members by providing professional and technical assistance, knowledge transfer, and unit growth. Created/maintained a library of "How To" instructions on team responsibilities and web design practices.

12/2014-11/2015: *Communication Technician at Ocean County Government – Toms River, NJ*

- Maintain countywide radio network for Ocean County public service departments. Had to respond to outages/off-hour downtime when necessary to support Emergency Services. Applied various Windows and Motorola patches monthly.
- Efficiently program different code plugs into various Motorola radio models for multiple county divisions.

7/2012-3/2015: *Tier one Programmer/Support at Offerit – Morganville, NJ*

- Provide remote client software via email, phone, or chat messaging and access to servers through SSH.
- Client software installation. This would require that I develop and utilize shell scripting to automate processes to prepare environment. Data analysis and sanitization for bulk imports.
- Develop new software features as requested by clients and develop solutions to code-based bugs.
- Would often work with third party companies, such as the hosting provider, to resolve server-side issue.
- Would set up server backups for clients via custom shell scripts and utilizing server's cron.
- Would assist clients in tracking their traffic to certain servers/sites/pages upon request.

7/2005-7/2011: *Electronics Technician Second Class at US Navy*

- Supervisor for Combat Electronics work center, managing personnel while troubleshooting and performing maintenance and repairs to vital electronics.
- NMCI Network Coordinator - managed computer network accounts for all personnel through Active Directory.
- Electronic Support Supervisor - involved knowledgeable management of division during normal operations and provide fast reaction to casualty control procedures during emergency conditions.
- Administered the ship's network/computer's operating systems through various software/security patches.

Notable Projects

- **NJCourts.gov Website Redesign**- The redesign required a new look, restructured data/content, and implementation of newer technologies. My role in this project was project lead as well as lead developer. As project lead, I had to review the current state of the site and its contents and formulate a plan to migrate it over into the new site. This involved data sanitizing, research into newer web technologies, educating/mentoring team members, and developing the necessary libraries/Javascript code for the website.
- **NJCourts Infonet Website Redesign**- After completing the NJCourts.gov redesign I took the skills and lessons learned and began a redesign on the internal (Infonet) website. My role in this project was the project lead as well as a lead developer. As project lead, I had to review the current state of the site and its contents and formulate a new plan to migrate over content and reduce content duplication as resources were shared between the internal and external website. This also required researching newer technologies, educating/mentoring team members, and developing new Javascript libraries for the website.
- **NJCourts.gov Zoomtube Streams**- This project was initially required to provide live court streams to the public during the COVID-19 pandemic. My role in this project was a lead developer. We utilized technologies such as

Zoom, AWS Lambda, AWS API Gateway, DynamoDB, AWS Graviton Server, AWS EC2 Instance(s) using Nginx to host a RTMP server, Node.js, Python. These helped get the streams, host them, and record data about them.

- **Smires & Associates Real Estate Website**- This project involved a complete website redesign, hosting services, and third-party integration into an MLS database. I was hired as a freelance developer to create this new site for them. I researched hosting/DNS providers, sanitized, and migrated data/files, configured server, designed and implemented theme, integrated tools to assist with site SEO and MLS data, and ended with a knowledge transfer/education on how to manage the new site.
- **NJCourts migration into Drupal-** This project required the NJCourts.gov website be built and managed completely in Drupal. My role in this project was project lead and lead developer. My responsibilities included prepping the data and content for migration, researching and learning Drupal, configure Drupal to fit the organization needs, create and manage development environment/workflow for continuous development, educate and mentor team, provide ongoing development support.

Services/Solutions

- **NJCourts Municipal Court Closings**- This solution addressed the need for a state-wide municipal court closing alert system for the 500+ municipal courts.
- **PDF Roster Mover**- I had created this service for other teams in the Judiciary to post updated PDFs securely to the NJ Courts website
- **Enterprise Level Elastic Search**- This solution provided a search engine and crawler to njcourts.gov. I had installed and configured the Elastic Search initially in Docker for testing/development changes then it was deployed.
- **Tax Report Statistics Generator**- This service pulled in data from remote database use that data to generate a report in PDF and XLSX then move it into place on the website for users to view or download. This service ran in a Docker container on a RHEL server.
- **Jury Reporting Messages**- This solution was created to allow Jury Managers statewide to update the NJCourts.gov website quickly and securely. This needed to be remote for them as well as restrict them to one area of the site.
- **Sitemap Generator**- I developed a solution for a NJ Courts website to generate an XML sitemap for the dynamic content on the site. This later was bundled up as a service to run daily.
- **Court Opinion Tools**- I created a sublime plugin tool to parse out data and format it for the website to present Court Opinions. This was a tool used to speed up and automate the posting process for content updating.
- **Court Opinion File Mover**- This service was built off the idea from the Court Opinion tools. It accomplished the same goal, except also appended meta data to PDFs. It was deployed as a service to run daily at a specific time.

Qualifications and Technology Experience

- Government Top Secret/Secret security clearance.
- Proficient in PHP/Python/Perl/R/C/C#/Java/Javascript/Smarty/HTML5/XML/CSS3/SASS/JSON programming languages.
- Proficient in data management via SQL, Microsoft Access, and NOSQL databases.
- Proficient in Linux web server management through Apache/Nginx and other Linux packages.
- Proficient in managing codebase(s) via Git, Github's project boards, and hooks to establish pipeline development.
- Experienced in Sharepoint 2013, Sharepoint 2016, IBM Web Content Manager, and Drupal environments.
- Work Center Supervisor - Responsible for completing all preventative correct maintenance, as well as supervising personnel within work center.
- Proven ability to respond immediately and confidently in emergencies with in-rate Naval Training, Combat Systems Officer of the Watch, Damage Control Qualifications, and Force Protection Qualifications.

Education

United States Navy
- Electronics Technician Apprentice Technical Training. AC/DC and Digital Circuits, Technical Mathematics, Electronics Technician A School, shipboard communication systems, Troubleshooting and Repair, Electronics Laboratory and Personnel Supervision.

Thomas Edison University
- Graduated December 2017 with a bachelor's degree in Information Technology.