

## SKILL SUMMARY

- **Languages:** TypeScript, JavaScript, C#, PHP, HTML, CSS/SCSS, SQL, Bash, Batch, Python, Go
- **Frameworks:** Angular, NestJS, Express, jQuery, .NET Core, Symfony, Silex, Laravel, CodeIgniter
- **Data:** JSON, YAML, XML, REST, SOAP, AJAX, MariaDB/MySQL, Redis, Memcached, Solr
- **Testing:** Karma, Jasmine, Protractor, Mocha, Jest, SuperTest, Postman/Newman, PHPUnit
- **Automation:** CircleCI, Jenkins, TravisCI, SonarQube
- **Servers and Operating Systems:** AWS, Docker, Vagrant, Apache, Nginx, Linux, Mac OS X, Windows
- **Code Tools:** Git, Mercurial, VS Code, Visual Studio, Vim, TFS/Azure DevOps
- **Principles and Practices:** Agile, Scrum, TDD, BDD, Design Patterns, SOLID, DRY, KISS
- **Quality:** Debugging, Problem Solving, Code Comments, Documentation, Standards, Style Guides

## PROFESSIONAL EXPERIENCE

### Quicken Loans, Charlotte, NC

#### Staff Software Engineer

October 2019 - Present

- Technical lead on multiple top priority projects including Partner Rocket and Broker Pro.
- Researched and prepared features for technical readiness prior to release planning.
- Assisted development teams with meeting commitments on high priority features.
- Provided engineering, architecture, and infrastructure guidance to development teams.
- Developed AWS infrastructure code using Terraform for load balancers, gateways, ECS, and more.
- Built internal development tools to auto-generate applications and infrastructure.
- Built a quality report application that is now used by the entire technology team.
- Mentored both engineers and senior engineers to assist with personal and career growth.
- Participated in the architectural alignment and standards process for the technology team.

### Quicken Loans, Charlotte, NC

#### Senior Software Engineer

March 2017 - Present

- Consistently pushed myself and other engineers to improve our quality and write clean code.
- Built an event listener for our Docker enterprise environment to automate repetitive tasks.
- Championed efforts to improve our testing strategy and encouraged others to contribute.
- Migrated our automated builds from Jenkins to CircleCI and improved build times by 80%.
- Created QL Badges to enable project maintainers to easily add quality badges to their repositories.
- Improved our Git workflow by switching to a single perpetual branch to reduce complications.
- Implemented pull request templates to help encourage consistency and thoroughness.
- Started a lunch and learn initiative to encourage others to constantly keep learning new things.
- Created a CLI application to assist with local development and automate repetitive tasks.
- Helped define and maintain our API Design Standards.
- Created a collection of interview questions/answers to improve efficiency in our interview process.
- Implemented automated code quality enforcement into our continuous integration builds.
- Continued to spearhead our efforts of increasing code coverage by raising it from 56.4% to 81%.
- Improved performance by caching a slow service and decreased load times by as much as 92%.

**Quicken Loans, Charlotte, NC***Software Engineer***February 2016 - March 2017**

- Day to day work involved PHP 5, PHP 7, AngularJS, Docker, Redis, Solr, Silex, Symfony, and more.
- Decreased our measurable technical debt from 2d 4h to 0 and issues from 1,175 to 0.
- Increased our code coverage from 24.9% to 56.4%, thus improving confidence when refactoring.
- Migrated our separated local development environments into an all inclusive Docker composition.
- Updated our codebases and internal dependencies to be PHP 7 compatible.
- Helped build Shipyard to provide better visibility into our PRs and automate release merges/tags.
- Built a database migration system that used raw SQL and automated building release scripts.
- Wrote shell scripts to automate repetitive tasks and free up time for more impactful work.
- Reworked our onboarding documentation to be more thorough and efficient.

**Erwin Penland, Greenville, SC***PHP Developer***August 2012 - January 2016**

*Notable Clients: Advance America (2012-2015), Verizon (2012-2015), Denny's (2013-2015), Upstate SC Alliance (2014-2015), NFL (2014-2015), Chick-fil-A (2015), Confluence Watersports (2012-2013)*

- Developed and maintained websites, microsites, and web applications in an agile environment.
- LAMP work utilized object-oriented PHP 5 using CodeIgniter, MVC architecture, and MySQL.
- Developed custom APIs using the FlightPHP framework and Runscope for API testing and debugging.
- Developed integrations with third-party APIs including NetAcuity, TranDotCom (SOAP), and others.
- Developed asynchronous web applications using AJAX by utilizing jQuery.
- Worked with a variety of CMS platforms including ExpressionEngine, WordPress, and Drupal.
- Helped maintain and monitor (using Server Density) Linux web servers on Ubuntu and RHEL.
- Performance tuning of code, tables, and SQL queries for high-availability deployments.
- Helped mitigate security vulnerabilities by employing best practices, testing, and debugging.
- Automated manual tasks and improved efficiency by implementing functional process changes.
- Helped maintain automated code builds and deployments using Jenkins.
- Assisted during the hiring process for developers, and helped train and guide junior developers.
- Conducted peer code reviews on a regular basis to ensure projects maintained utmost quality.
- Maintained code repositories with version control on BitBucket using mostly Mercurial and Git.
- Quickly became the go-to problem solver by helping others solve their complex problems.
- Consistently finished projects quicker than estimated saving our company both time and money.

**Hannush Enterprises, Greenville, SC***Lead Web Developer***November 2008 - August 2012**

- Developed and maintained websites and web applications for a wide variety of clients.
- Handled both frontend (HTML/CSS/JS) and backend (PHP/Joomla/WordPress) for every project.
- Researched best practices for SEO and ensured all code was well optimized and followed standards.
- Trained clients to update their own website within the Joomla and WordPress CMS platforms.
- Trained and helped guide junior developers to follow best practices and follow coding standards.

**Strategic Advantage, Holly Springs, NC***Web Developer***June 2008 - July 2008****Apple A Day And Beyond, Greenville, SC***Web Assistant***July 2007 - June 2008****Central Data Corp., Spartanburg, SC***Member of Technical Staff***August 2006 - March 2007****Nine2Five Records, Myrtle Beach, SC***Webmaster***June 2004 - August 2006**

## SPECIAL ACHIEVEMENTS

- **Nov 2019 Rock Honors Nomination:** Best Performance - Impacting the Outcome.
- **Nov 2019 ISMs in Action Award Nomination:** You'll see it when you believe it.
- **May 2019 ISMs in Action Award Nomination:** Obsessed with finding a better way.
- **Jul 2018 NC Operations Huddle Awards: Technology:** Pride in Excellence Award.
- **May 2018 Winner of New Stuff Challenge:** Partner Portal Notifications.
- **Feb 2018 QLMS/QL Gold Medal Fortnight:** Gold Medalist.
- **Oct 2017 Gibbies Nomination:** Special Achievement - Figuring it Out.
- **Oct 2017 ISMs in Action Award Nomination:** Responding with a sense of urgency is the ante to play.
- **Oct 2017 Bullet Time Gig of the Week:** QL Badges.
- **Sep 2017 ISMs in Action Award Nomination:** The inches we need are everywhere around us.
- **Jul 2017 ISMs in Action Award Nomination:** Do the right thing.
- **Jan 2017 ISMs in Action Award Nomination:** Ignore the noise.

## EDUCATION HISTORY

**Greenville Technical College, Greenville, SC**

**January 2005 - August 2006**

- Completed classes towards Associates of Applied Science in Information Technology.

**Easley High School, Easley, SC**

**August 1999 - May 2003**

- Maintained the high school website, and became the web staff manager in 2001.
- Enhanced Academic Diploma, and graduated Mu Alpha Theta.

## FINAL WORDS

I first began developing websites in the mid-to-late 90's using popular tools of the time such as Expage, Angelfire, and Geocities. Oh, how times have changed, but even after all these years, I still maintain now the same passion for building websites and applications that I had way back then.

In fact, everyone that knows me well will tell you just that - I am very passionate about my work. I love developing websites and web applications, I love learning, improving, building, and tinkering, and I couldn't imagine having a more fitting career. Even after finishing up a full day at work, I often find myself at home working on my own personal projects late into the night. My goal is to find a company with employees that share this passion, where we can grow together and help cultivate success.