

Peter F. Tumulty

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SENIOR SOFTWARE ENGINEER

Experienced Software Engineer with a focus on front-end development and a strong background in backend systems., bringing over 10 years of expertise in designing, developing, and maintaining high-performing web applications. Adept at setting the vision for frontend architecture, evolving tech stacks, and implementing best practices to drive efficiency and scalability. Proven track record of leading teams, mentoring engineers, and collaborating cross-functionally to deliver intuitive, feature-rich client applications. Passionate about building modern, maintainable, and reusable frontend components while staying ahead of industry trends. A strategic problem solver who takes ownership of technical challenges, advocates for continuous improvement, and fosters a culture of innovation and excellence.

EDUCATION

Southern New Hampshire University, Manchester, NH

Bachelor of Science in Computer Science

June 2024

- 3.9 GPA

Devry University, North Brunswick, NJ

Associate of Arts in Web & Graphic Design

April 2013

- 3.8 GPA (Valedictorian)

CERTIFICATIONS & LICENSES

Intermediate JavaScript Nanodegree Udacity	2020
Full-Stack Developer Nanodegree Udacity	2020
Front-End Developer Nanodegree Udacity	2020
Cloud Developer Nanodegree Udacity	2020
React Developer Nanodegree Udacity	2018
MySQL & PHP Programming Middlesex County College	2014

CORE COMPETENCIES

Software Engineering | Advanced Frontend Development | Full Stack Development | Junior Developer Mentorship | Writing Documentation | Agile Methodology | Kanban | Scrum | Technical Communication | Technical Leadership | Software Development Life Cycle | Continuous Integration & Continuous Delivery | JIRA | Confluence | Git | Docker | Test Driven Development | Web Performance Optimization | Web Application Architecture | Cloud Development | AWS | GCP | Azure | Unit Tests | Integration Tests | API & SDK Development & Integration | Headless CMS Systems | WordPress | UI Component Libraries | OpenAI | Ollama | Hugging Face | Github Copilot | Figma | TypeScript | JavaScript | Node.js | ES6 | Angular | React.js | React Testing Library | Next.js | MobX | Redux | HTML | CSS | SASS | Flexbox | CSS Grid | SCSS | Bootstrap | Tailwind.css | PHP | Laravel | Apollo | Python | Flask | GraphQL | REST | TRPC | ORMs | SQL & NoSQL Databases | Mocha | Jest | Playwright | TestCafe

PROFESSIONAL EXPERIENCE/ADDITIONAL PROFESSIONAL EXPERIENCE

Walmart Global Tech (Hoboken, NJ)

March 2023 - Current

Software Engineer III

- Designed and developed high-performance frontend features and services using Next.js, React, TypeScript, and GraphQL; built and maintained comprehensive testing infrastructure with Jest and React Testing Library to ensure high-quality deliverables; efficiently resolved high-volume tickets using Agile methodologies within JIRA to ensure timely issue resolution and minimize downtime.
- Coordinated with multiple stakeholders and engineers to launch new services, features, and products into production; strategized with senior architects and principal engineers to implement features enhancing product quality in scalability, reliability, and performance.

- Collaborated closely with new software and QA engineers to facilitate effective onboarding and mentoring on application development processes; oversaw and refined the quality of pull requests from new and junior engineers along with hosting pair programming and knowledge transfer sessions, ensuring successful commits and adherence to coding standards.

Udacity (San Francisco, CA)

January 2022 - April 2023

Session Lead - Frontend Nanodegree

- Led weekly group sessions of 30+ students, covering basic to advanced concepts in HTML, CSS, and JavaScript, while providing instruction and review of frontend development and software engineering concepts to facilitate learning and understanding.
- Offer personalized 1:1 help and pair programming sessions and regularly scheduled office hours to support student learning and provide individualized assistance as needed.
- Perform code reviews with a focus on technical accuracy and effective communication to provide constructive feedback and ensure high-quality software development practices.

Tumulty Web Services (Brick, NJ)

October 2021 - March 2023

Owner, Lead Developer

- Deliver web development and customized software solutions to meet the unique needs of small businesses, startups, e-commerce companies, and agencies, ensuring timely and efficient project delivery.
- Create small business and event marketing websites, design SaaS platforms, create automation APIs, and develop custom features within existing projects utilizing Next.js, Typescript, Tailwind, React, vanilla JavaScript, and PHP.
- Provide clients with strategic direction to improve website performance metrics, search engine optimization, and overall user experience, resulting in enhanced online presence and increased profitability.

Vault Innovation Group (Chicago, IL)

January 2022 - February 2023

Senior Frontend Engineer

- Worked closely with cross-functional team members including designers, product managers, and engineers within a Scrum/Agile environment to ensure timely delivery of high-quality software solutions for e-commerce and SaaS clients.
- Collaborated with the development team to extend multiple advanced React, SASS & PHP based codebases by implementing new features, adding thoroughly tested updates, and integrating various SDKs, APIs, CMS, and UI component libraries.
- Provided comprehensive documentation to support all code updates and features, ensuring clean and concise communication between clients and team members.

Scarinci Hollenbeck (Lyndhurst, NJ)

December 2013 - April 2021

Lead Web Developer

- Led the initiative to overhaul the company's website using a custom microservices architecture, which significantly improved site performance and SEO metrics, and streamlined the integration of new marketing technologies and services.
- Designed internal tools and APIs that automated attorney marketing efforts and business initiatives, streamlining processes and increasing efficiency.
- Collaborated with product managers and UX designers to develop digital marketing materials, including sales landing pages, email templates, interactive web components, and site features, resulting in enhanced client acquisition and brand growth.