

STEVE FANEGA

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EMPLOYMENT

Software Engineer	Freelancing, Remote	Jul 2020 – Jun 2024
<ul style="list-style-type: none">Implemented GraphQL APIs to streamline data retrieval from internal and external services, reducing load times by more than 75%.Engineered and maintained microservices, applying the principles of separation of concerns to enhance application performance and scalability.Leveraged static site generation and Server-Side Rendering to optimize SEO and enhance user experience, resulting in more than a 79% increase in site speed.Utilized CI/CD pipelines with Netlify, Cloudflare, and Vercel to automate deployments, improve performance, and improve security for projects.		
Full Stack Engineer	Dealer eProcess, Lisle IL	Aug 2019 – Mar 2020
<ul style="list-style-type: none">Standardized PHP legacy procedural code to OOP, implementing best practices and PHP-FIG guidelines for optimal programming and testing.Maintained and troubleshooted jQuery APIs to retrieve JSON from external sources.Engineered and tested model, view, and controller classes, achieving 80% test coverage using PHPUnit.Implemented UI solutions of CSS and JavaScript to address user-reported issues and requests, effectively resolving 9% of reported issues.		
Jr., Software Engineer (Intern)	North Central College, Naperville IL	Feb 2018 – Mar 2019
<ul style="list-style-type: none">Developed and troubleshooted registration form blocks, enhancing user registration efficiency.Modernized the college library website from basic HTML, CSS, and JavaScript to a fully functional Drupal environment, reducing site load time by 1.2 seconds.Conducted CMS training sessions for staff members, empowering them to independently develop and manage department pages.Assisted in debugging pages and features developed by team members, ensuring high-quality web functionality and site functionality.		

EDUCATION

Bachelor of Science	North Central College, Naperville IL	Sep 2015 – Jun 2019
<ul style="list-style-type: none">Major: Computer ScienceMinor: Mathematics		

SOFTWARE PROJECTS

Stock Prediction	www.stevefanega.com/projects/stockprediction
<ul style="list-style-type: none">Engineered a robust Stock Prediction web application whilst integrating Python, PHP, and JavaScript/TypeScript for seamless cross-language functionality.Developed a Python script leveraging the yFinance module to extract real-time stock data and applied machine learning algorithms with scikit-learn to predict future stock prices.Built a secure Laravel API with middleware authentication, to enable safe POST/PUT/DELETE operations, and used PHPUnit to validate data integrity while providing universal GET access for stock prediction data.Designed an interactive frontend application with Next.js, TypeScript, and Chart.js to fetch and visualize stock prediction insights from the Laravel API.	

PROGRAMMING SKILLS

Languages	Frameworks
<ul style="list-style-type: none">JavaScript, TypeScript, PHP, Python, Java	<ul style="list-style-type: none">React.js, Next.js, Laravel, Spring Boot
Technologies and Tools	
<ul style="list-style-type: none">CI/CD, MySQL, PostgreSQL, SQLite, Git, GitHub, Docker, GraphQL API, RESTful API, Middleware and Token Authentication, Unit Testing, Ubuntu Development, Scripting, Automation (Cron Jobs)	