

# Sam Weimer

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## WORK EXPERIENCE

Fullstack Web Developer - VCOM, Blacksburg, VA

Jun 2024 - Present

Architect and develop React/TypeScript/Next.js portal for doctors to assess medical student patient encounters, facilitating verifiably accurate and complete data for epidemiological research and analysis. Simultaneously expand and maintain PHP legacy learning management system for medical students, clinical staff, and preceptors to optimize educational experience and improve medical research data management and validation

- Configure remote Linux environment with Nginx for a secure, consistent, and streamlined development workflow
- Rewrite legacy learning management system and medical logging application using React.js and Next.js to improve scalability, documentation, and user experience for **1000+** active students
- Cut statistics dashboard load times by over **90%** by reducing queries to relevant data and applying indexes and joins
- Migrate **7000+** user records from obsolete system to facilitate data confirmation, validation, and long-term support

Fullstack Web Developer - Corning Inc., Corning, NY

Feb 2022 - Jan 2024

Developed and maintained large-scale research applications with accessible and intuitive user interfaces, and robust backend APIs using Bootstrap, Vue.js, jQuery, and ColdFusion

- Updated and maintained **100+** applications with **10,000+** users to preserve compatibility with newer versions of software
- Refactored metrics reporting pages to reduce load times by over **50%** and enhance user experience
- Collaborated cross-functionally to create high-impact, multi-user request systems and **10+** robust RESTful API endpoints following SDLC and evolving requirements

Programming Teacher - CS Recitations, LLC, Remote

Sep 2021 - Present

Teach high school students programming languages, front-end/back-end concepts, data structures, and algorithms

- Regularly tutor JavaScript, HTML, CSS, Python, Java, and full-stack web development concepts
- Stay up to date with the latest front-end/back-end best practices, modern frameworks, and programming trends

## PROJECT EXPERIENCE

Portfolio

Dec 2024 - Present

- Build a cloud-native, data-driven portfolio using MongoDB, Node.js, Express.js, and Google Cloud Platform's Compute Engine and scalable Docker containers to ensure constant information accuracy and **99.99%** uptime
- Develop portable and robust React components styled with Tailwind CSS for efficient creation of well-structured and responsive pages displaying all relevant information and showcasing experience
- Configure a CI/CD pipeline for consistent and streamlined production pushes using GitHub actions, cutting deployment process time by over **70%**

## EDUCATION

Bachelor of Science, Computer Science - Binghamton University, Binghamton, NY

Dec 2021

## CERTIFICATIONS

Google Cloud: Securing and Integrating Components of your Application

Mar 2024

Google Cloud: Essential Google Cloud Infrastructure: Core Services

Jun 2024

Google Cloud: Elastic Google Cloud Infrastructure: Scaling and Automation

Jun 2024

## SKILLS

**Languages/Frameworks:** React.js, Node.js, Express.js, Next.js, JavaScript, TypeScript, HTML5, CSS, Tailwind, Bootstrap, MySQL, MongoDB, Vue.js, Java, Python

**DevOps:** AWS, GCP, Docker, GitHub Actions, CI/CD, Linux, Nginx

**Tools & Methodologies:** Agile/Scrum, SDLC, Jira, Confluence, Figma, Trello, Postman