Sam Weimer

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WORK EXPERIENCE

Fullstack Web Developer - VCOM, Blacksburg, VA

Jun 2024 - Present

Develop, analyze, and maintain large-scale learning management system and medical logging application for medical students, clinical staff, and preceptors to optimize educational experience and improve data management, tracking, and validation for global medical research

- 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