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 Nginxfor 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 recent and relevant data, and implementing proper indexing and effective joining
- Migrate 7000+ student and preceptor records from obsolete system to facilitate medical log 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 and programming languages
- 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
- Handled data validation, entry, and management through custom logic, existing validation engines, and secure CRUD operations

Programming Teacher - CS Recitations LLC, Remote

Sep 2021 - Present

Teach middle and high school students modern programming languages, best coding practices, and core computer science concepts, including front-end/back-end fundamentals, OOP, data structures, and algorithms

- Regularly tutor middle through high school students in Python, Java, JavaScript, HTML, and full-stack web development concepts, and other modern practical programming languages
- Stay up to date with the latest best practices, modern frameworks, and current programming trends, including front-end and back-end web development practices, to provide effective and relevant instruction
- Customize learning experiences by teaching core programming concepts, application design, and code structure, preparing students for AP courses, nationwide contests, and practical application development challenges

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