Eric Wilson

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Technical Skills

Languages: PHP, JavaScript, TypeScript, Python, Java, CSS, HTML
Frameworks/Libraries: Laravel, React, Next.js, AngularJS, Express, Node.js
Databases: MySQL, PostgreSQL, MongoDB, Milvus
CMS: ExpressionEngine, WordPress, Drupal
Tools & Platforms: Git, AWS, Google Cloud, Docker, NGINX, Google Apps Script

Work Experience

Software Engineer
UC Berkeley, Goldman School of Public Policy | November 2022 - present

- Architected and deployed RAG pipelines using AWS Bedrock, S3, and OpenSearch, powering scalable AI chat and retrieval with 99% uptime.
- Built and maintained custom PHP/Laravel applications serving 100 stakeholders, automating workflows that save 20 staff hours/month.
- Engineered ExpressionEngine plugins and API integrations connecting campus systems, cutting manual data entry by 90%.
- Refactored legacy systems and upgraded ExpressionEngine 5 to 7, ensuring stability across 40 plugins.
- Led accessibility remediation across 13 websites, achieving WCAG 2.1 AA compliance and improving usability for all visitors.
- Partner with designers and editors to align technical infrastructure with campus branding, accessibility, and security standards.

Freelance Web Developer
June 2022 - November 2022

- Designed and deployed full-stack web applications using React, Node.js, and Google Cloud, delivering production-ready client sites.
- Collaborated with peers on open-source and personal projects, contributing to code reviews and improving UX across multiple applications.

Educator and Technology Leader
Concord High School | August 2014 - June 2022

- Led technology adoption initiatives for 80 teachers, improving data reporting and digital workflows.
- Created custom VBA grading tools and analytics dashboards used by multiple departments.
- Guided colleagues through large-scale student assessments for 1,500 students, facilitating data analysis and improving instructional planning.

Education

- **Western Governors University**: BS Computer Science
- **University of California Berkeley**: MA Education
- **Sonoma State University**: BA English