Ian Callahan

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SUMMARY

I am an affable and analytical full-stack developer. I regularly solve problems using code, visual acuity, human interaction, and careful consideration of both the big picture and the small details. With many years of experience and a broad skillset, I design, build, and deploy creative solutions on the modern web.

SKILLS

Laravel, PHP, Vue, JavaScript, Python, Tailwind CSS, MySQL, Git, GitHub, Application Design, User Interface Design, APIs, Cloud Infrastructure (AWS, Digital Ocean, Vapor, Forge, Envoyer)

EXPERIENCE

Technical Solutions Architect | **Senior Architect**
Harvard Art Museums, Harvard University, 2013-present

Responsibilities
• Design, build and deploy web applications that serve museum business goals including audience engagement, event management, and academic publishing
• Continuously analyze and improve cloud infrastructure
• Engage with staff as a trusted expert to understand user needs and release new features; educate on technical topics such as digital accessibility

Highlighted Accomplishments
• Designed and built a new search interface for world-class museum collection that improved accessibility and usability while unifying the desktop and mobile search experiences
• Replaced legacy jQuery-based digital publishing tools with Laravel-backed Vue SPAs that introduced sane state management patterns and near real-time content previews
• Rewrote all front end markup to improve both the user and developer experience while complying with digital accessibility standards
• Introduced an improved querying and caching strategy to a large, legacy Laravel codebase for increased performance and cost savings

Consultant | **Principal, Great Fortress**
Self-employed, 2012-present

Highlighted Accomplishments
• Built a high-frequency demo stack for a Boston machine learning/wearable startup using Laravel/Livewire and AWS Lambda Functions (Python) for ML prediction algorithms
• Creative director and partner at *Bramling Cross*, a pico-brewery (bramlingcross.com)
• Layout, typesetting, and associated merch for several Kickstarter-backed publications, including *The Nachonomicon* and *Grey Seas Are Dreaming of My Death*

EDUCATION

Master of Education, Educational Technology - UMass Amherst
Web Technologies Graduate Certificate - Harvard Extension School

INTERESTS

Philosophy, Cinema, Weird Fiction, Humor, Digital Creativty