

SEANN IVES

DEVELOPMENT MANAGER AND SOFTWARE ARCHITECT

View Online

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Profile Development manager and software architect with experience designing and developing web-enabled solutions.

Technical

Javascript / Node.js / React	MySQL / Redis / MongoDB	SEO
Perl / Ruby / Sinatra / Rails (2.1)	Web Services / GraphQL	Agile
XML / HTML / CSS	Apache / ElasticSearch	Linux / Mac / Windows

Experience **SidelineSwap** Boston, MA. Sep. 2016 - Sep. 2017
Principal Engineer

Managed front-end development team to completely rebuild sidelineswap.com, an online marketplace for sports equipment, from Rails to React on Node.js. Responsible for architecture, project management, code review, QA, deployment, and hands-on development. Planned and implemented an SEO strategy, increasing Domain Authority from 27 to 35 and tripling organic search sessions over six months.

Paint Nite Somerville, MA. Jan. 2016 - Jun. 2016
Development Manager

Managed team of four engineers working on architecting and rebuilding the company's administrative portal, using React, GraphQL, Node.js, MySQL, Redis, and ElasticSearch. Leveraged technologies and expertise from portal work to begin a rebuild of the company's public website. Contributed to the architectural redesign of the MySQL database schema, collaborating closely with the Data Information and Finance departments.

Self Employed Ayer, MA. Oct. 2015 - Jan. 2016
Technical Consulting Services

Provided expert knowledge on the education landscape and technical systems. Contributed to the design and development of an instructional interactive tool allowing students to write Java and C code and receive compilation feedback.

Pearson, Enterprise Architecture Boston, MA. Apr. 2014 - Oct. 2015
Senior Software Architect

A member of the Pearson Enterprise Architecture Content team. Responsible for supporting pan-Pearson initiatives including leading the eReader platform services consolidation effort, acting as technical lead for Pearson Higher Ed for the pan-Pearson 'work-in-progress' content data store, and subject matter expert on interactive and assessment content. Lead architect supporting eight Pearson Higher Ed projects, encompassing assessment, interactives, video, eReader apps, platforms, and capabilities, and content creation and delivery workflows. Worked with dozens of teams, across architecture, dev, product, qa, editorial, and senior management.

Pearson, Brix Group Boston, MA. Apr. 2013 - Apr. 2014
Senior Software Developer

Designed and developed the Brix library, a highly customizable javascript library and web service infrastructure for instructional interactives and assessment content. Worked in D3.js and Google Closure client code and Node.js and Redis servers hosted on AWS. Worked in tight collaboration with over a dozen teams in integrating this library and corresponding services with Pearson learning applications and content authoring systems.

Pearson, Mastering Group
Senior Software Developer

Boston, MA. Aug. 2010 - Apr. 2013

Developed features for the Mastering application, an online tutorial, homework, and assessment system for college students. Lead development on the Organic Chemistry feature, integrating the perl-based Mastering application with a java web service used to evaluate student drawn chemical structures. Co-lead redesign of the Mastering content authoring system, including prototyping efforts, technology evaluation of NoSQL DBs, Sinatra, Node.js, and Javascript MV* frameworks, architectural definition and initial development.

Self Employed
Technical Consulting Services

Ayer, MA. Jul. 2009 - Aug. 2010

Provided expert knowledge on Clinical Trial Data Disclosure landscape and technical systems. Client base of industry leader in web-based disclosure systems and three Top Ten pharmaceutical companies.

Peerview, Inc.
VP, Software Engineering

Somerville, MA. Jul. 2008 - Jul. 2009

Managed all technical aspects of Peerview's Clinical Data Disclosure system (VCTR), a web-based validated system used by pharmaceutical companies to conduct public disclosure of clinical trial information. Managed two in-house engineers and a ten-person offshore team. Responsible for insuring the quality and control of all data flowing into and out of Clinical Data Disclosure client systems, in accordance with federal and state law.

Mark Altman & Associates
Principal Engineer

Hudson, Ma. Apr. 2008 - Jun. 2008

Architected and lead development of secure, scalable, and customer-facing Web Portal for secure data transfer and data transformation for municipal billing clients in Ruby on Rails. Advised engineering department on future development and deployment of Web Portal system.

Veritas Medicine, Inc.
Senior Systems Developer

Cambridge, MA. Feb. 2001 - Mar. 2008

Developed applications designed to move data from pharmaceutical clients' internal CTMS to information portals, patient recruitment sites and the National Library of Medicine's trial repository. Lead ColdFusion development of 20+ independent clinical trial sites for pharmaceutical clients. Developed web-based call-center application used for global patient placement and tracking at major pharmaceutical client. Designed and built web tools for rapid deployment of client sites, reducing development time by 80%. Maintained and upgraded internal content-management web application, allowing non-technical staff to manage web content. Responsible for all Apache web servers, SSL, and Ultraseek search engine.

Kenan Systems/Lucent Technologies
Internet Technologies Engineer

Cambridge, MA. Sep. 1997 - Feb. 2001

Implemented methods for web site self-maintenance by non-technical staff. Re-designed and deployed several sites for the corporate intranet. Researched and implemented streaming video technologies for internal corporate communication and training.

DDTS Administrator/Systems Engineer

Administered and customized Rational's ClearDDTS defect tracking system, used by approximately 400 employees. Designed and deployed the corporate Release Database system. Created web-based graphing and reporting systems for ClearDDTS.

Interactive Training, Inc.
Web Developer

Framingham, MA. Jun. 1996 - Sep. 1997

Created and modified all company HTML, graphics, and scripts. Responsible for two major and fifteen minor web sites (www.trainingforum.com & www.roundtable.com)

Education

Worcester Polytechnic Institute

BS with dual major in Physics and Humanities (Music)

1992-1997

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