

Bob Holt

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PRINCIPAL ENGINEER with experience as developer, manager, and architect for universities, marketing agencies, consultancies, and product companies

PROFESSIONAL EXPERIENCE

Splice

Principal Engineer

2017–present

- Spearheading process to model and rebuild Splice’s architecture using a Domain-Driven approach
- Collaborate on reasoning and decisionmaking as a member of Software Architecture Review Committee
- Directed design and development of first-ever externally-facing API
- Led team responsible for rewriting of multi-million-dollar payments processing system
- Socialize architectural designs and engineering advancements throughout all parts of Splice

Technologies Used: Go, SQL

Bocoup, LLC

Senior Engineer

2013–2017

- Added support for Safari and Edge browsers to the W3C’s automated Web Platform Tests runner
- Developed visualization-heavy React/D3 application to map and filter millions of database records
- Devised and prototyped new ways to visualize uncertainty for MIT-related startup
- Taught hundreds of students everything from HTML to architecting large-scale applications

Technologies Used: JavaScript, React, Ampersand.js, Backbone.js, D3, NodeJS, Express, Grunt, Python, Flask, pytest, Go, PHP, WordPress, Vagrant, Docker, Ansible, Terraform, PostgreSQL, Web Workers, L^AT_EX

Sapient Global Markets (acquired by Publicis in 2015)

Manager

2012–2013

- Led team to transition major financial firm’s legacy architecture and workflow to modular approach
- Modernized career paths, skills matrix, and job descriptions for Interactive Development group
- Coached and provided code reviews to team members in the U.S., U.K., and India

Technologies Used: JavaScript, BackboneJS, Grunt

Genuine Interactive

Associate Director

2011–2012

- Taught weekly basic JavaScript classes to members of the front-end development team
- Created six-hour drug development simulation for a large multinational pharmaceutical firm
- Oversaw development of first-of-its-kind online collection catalogue for Museum of Fine Arts

Technologies Used: JavaScript, jQuery, BackboneJS, Adobe AIR, Grunt, PHP, Drupal, WordPress

Isobar

Developer

2010–2011

- Quickly cultivated working knowledge of new languages as needs arose
- Refactored online fitness dashboard consisting of over 100k lines of JavaScript code
- Joined .NET and JavaScript products to legacy client systems via RESTful Web Services

Technologies Used: JavaScript, jQuery, C#, ASP.NET, PHP, MySQL

Boston University

Web Producer

2009–2010

- Devised information architecture and initial design of BU's first online-only course catalog
- Developed custom themes and plugins for WordPress MU
- Presented site design proposals and WordPress training to professors, deans, and provost

Technologies Used: JavaScript, PHP, WordPress

Oasis Technology Partners (acquired by Rightpoint in 2016)

Web Application Developer

2008–2009

- Wrote Windows Services to routinely compress, encrypt, and send database dumps to client
- Administered high-traffic server and customer database for specialty apparel retail chain
- Introduced jQuery to the development stack, replacing MooTools and PrototypeJS

Technologies Used: JavaScript, jQuery, C#, ASP.NET, Classic ASP, SQL Server

EDUCATION

Bachelor of Science, Economics
Minor, International Affairs

Georgia Institute of Technology
Atlanta, GA

PRESENTATIONS

- [“Domain-Driven Web Applications Using Backbone,”](#) Backbone Conference. 2013
- [“Home-growing Top-Notch Developers,”](#) jQuery Conference Portland. 2013

PUBLICATIONS

- “Staffing for HTML5,” Sapient Global Markets Blog. 2013 ([syndicated on Dice.com](#))
- “Responsive Web Design,” Sapient Global Markets Blog. 2013 ([syndicated on Dice.com](#))
- “What We Mean When We Talk About HTML5,” Sapient Global Markets Blog. 2013 ([syndicated on Dice.com](#))