Barrett Sonntag

DEVELOPER, TECH EVANGELIST, ENTREPRENEUR

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Summary

My wide breath of skills work on mobile and web development projects stems from my passion as a creator. It never is a question if something is possible but only if we've got the will to make it reality. Though I started this career on my own being self-taught I was drawn to leading and mentoring other developers to reach their own potential. There is no greater satisfaction than celebrating a successful launch as a team and to see us grow together. I love working with executives, clients and project managers to architect end to end software solutions that will exceed expectations. Whether the project is building in-house tooling or customer facing applications it is crucial to understand how the user will interact with it and ensure the technology stack will effectively deliver the best possible experience.

Technologies

I've built, tested and released products using the following languages, libraries or technologies. JavaScript, TypeScript, Node, GIT, NPM, React, Web Components, Webpack, Build configuration, Jest, Mocha, ESLint, CSS, SASS, Storybook, Monorepo configuration, TestCafe, Unit testing, End-to-end testing, Integration testing, Backbone, Marionette, jQuery, Bootstrap, Google MUI React UI Components, MySQL, Postgres SQL, SQL Server, C#, Python, Ruby, Rake, Docker, TeamCity, Jenkins, Amazon Web Services, Terraform, PowerShell, Visual Studio, EC2, S3, DynamoDB, Lambda, API Gateway, Cloud Development Kit, EC2 Image Builder, HTML, Internationalization i18n, Localization l10n, Web Accessibility Initiative Accessible Rich Internet Applications Suite WAI-ARIA, Visual Diff testing, Bash scripting, Objective-C, Android Java, Cordova, KendoUI, Flash, Flex, ActionScript

Experience

Dovetail Software | Senior Software Engineer & Front-end Architect   June 2014 - July 2024

- Developed and maintained a comprehensive library of custom UI components written in TypeScript and leveraging Google's Material-UI framework. Ensured robust unit testing with Jest, guaranteeing that each component functions correctly in isolation before integration into larger systems. Implemented a StorybookJS setup to allow standalone exploration, testing, and discovery of UI components in real-time without requiring a full app environment.

- Took on leadership roles such as managing issue resolution and mentoring junior developers; facilitated new employee onboarding process, ensuring smooth transition into the team and company culture. Improved product recommendations and increased sales

- Conducted comprehensive integration tests using TestCafe to verify seamless interaction between components within the application's fullstack environment, confirming functional requirements and user experience expectations are met.

- Streamlined the development process with React and hooks, enhancing team productivity while maintaining scalability and clean code architecture.

- Managed continuous integration (CI) pipelines using TeamCity, orchestrating automated builds on AWS EC2 image builders to ensure efficient deployment practices across the development lifecycle.

- Configured and maintained the build system with Webpack, integrating plugins like Pretty-Print and ESLint to enforce coding conventions and enhance debugging capabilities during development.

DecisionGrid, Inc | Senior Software Developer   **Feb 2014 - May 2014**

- Migrating a Ruby on Rails app to an EmberJS single-page application. HAML and JavaScript to Handlebars, CoffeeScript, and SCSS/Sass
- Led and mentored other team members on JavaScript and EmberJS best practices
- Implemented Facebook integration and querying into Ember Data
- Company closed end of May

Promethean | Senior JavaScript/Ajax/HTML/Mobile Developer   **March 2013 - Feb 2014**

- Led mobile application development for a cross-platform JavaScript solution using AngularJS, KendoUI, and LESS.
- Developed C# Windows Store App while updating and maintaining iOS Objective-C and Android Java native apps.
- Established modern web development workflows with unit testing (Mocha, Grunt, PhantomJS) across platforms.

XO Group (The Knot) | Flash Developer & Interactive Media Developer   **Feb 2007 - March 2013**

- Initiated front-end development role as the sole Flash developer for wedOrama, an innovative all-Flash CMS wedding website publisher
- Successfully led a team and architected the transition of wedOrama into WeddingTracker brand, rebuilding templates in Flex for enhanced maintenance and future development efficiency. Spearheaded redesign of The Knot's website architecture with an emphasis on secure advertising integration, showcasing problem-solving acumen by identifying and resolving a Flash malware issue within an advertisement. Demonstrated technical leadership by pushing browser compatibility boundaries and managing key advertising campaigns with cross-platform support.
- Advocated for mobile app development amidst emerging trends and orchestrated the completion of The Knot's Android Wedding Dress Lookbook app from its near-complete state, enhancing performance through dedicated effort despite resistance. This initiative catalyzed a title change to Interactive Media Developer and collaboration with newly recruited developers on an iOS version in Objective-C.
- Collaborated with internal incubator teams to craft The Knot's search functionality into an app-like experience using JavaScript, achieving seamless touch interactions through custom handwritten code

Clarus Agency | Freelance Software Architect   **Feb 2010 - Feb 2012**

- Developed custom software for diverse clients, focusing on functionality and user satisfaction.
- Built flexible CMS platforms using Drupal and WordPress to support client content strategies.
- Designed native iOS apps with a focus on intuitive interfaces and robust performance.
- Delivered mobile-responsive web designs that enhanced user engagement across devices.
- Provided guidance on technology stack selection to ensure project success and longevity

RAPP | Freelance Software Architect   **July 2008 - April 2009**

- Created a custom CMS solution for multiple levels of editorial to enter new articles
- Used PHP and Smarty templates to create a front-end interface to this custom CMS
- Created MySQL relational database scheme

BSG Alliance | Freelance Flash Developer   Feb 2014 - May 2014

- Designed Flash creatives for conference presentations
- Flash work for interactive pieces in larger web layouts

Great Wall China Adoption | Webmaster, Web Developer & Graphic Artist   Dec 2005 - Feb 2007

- Designed and maintained PHP/MySQL based websites using Drupal for event management, accounting, and ecommerce—showcasing exceptional skill in integrating complex systems with web interfaces.
- Created visually engaging print materials and advertisements that achieved high engagement rates across national publications.

EnterMediaNow | Flash Developer   2004 - 2005

- Translated clients' designs into Flash content for web/CD delivery.
- Produced customized client marketing materials and email advertising campaigns that demonstrated a deep understanding of design principles and user engagement strategies.
- Developed Flash demos for presentations, illustrating product capabilities to diverse audiences effectively.

Conformative Systems | XML/Web Developer   2004 - 2005

- Created a GUI interface using XML/XSL transformations and JavaScript for hardware applications
- Developed Flash demos for presentations of the aforementioned hardware

RealVue Simulation Technologies | Flash Developer   2002 - 2003

- Led Flash development efforts for high-profile projects such as the Digital Color Book process and iGen3 printer—displaying innovation in visual design and technical execution.
- Designed front-end interfaces for the simulation launchers and deployment for Dell, HP, Textron and Applied Materials.
- Converted photography into vector graphics for use in training simulation.
- Compiled the graphics for Windows and Solaris simulations from video and hand drawn interfaces

Education

Austin Community College   2011

Computer Science

Links

https://barrettsonntag.com

https://sosuke.com

https://github.com/barretts

https://www.linkedin.com/in/barrettsonntag

https://codepen.io/sosuke (to my own surprise and joy one CodePen has nearly 2 million views)