

Barrett Sonntag

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Summary

My wide breadth of skills in mobile and web development projects is derived from my passion as a creator. It never is a question of whether something is possible, but only if we have the will to make it a reality. Although 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 seeing 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 internal tooling or customer-facing applications, it is crucial to understand how the user will interact with it and ensure that the technology stack delivers the best possible experience.

Skills

Programming Languages: JavaScript, TypeScript, C#, Python, Ruby

Frontend Frameworks & Libraries: React, Web Components, AngularJS, EmberJS, Backbone, Marionette, jQuery, Node.js, Webpack, Storybook, Jest, Mocha, ESLint, Bootstrap, Google Material-UI

Databases: MySQL, PostgreSQL, SQL Server, MongoDB

Build Configuration & CI/CD: GIT, NPM, Docker, TeamCity, Jenkins, AWS CodePipeline

Cloud Services & Tools: AWS (EC2, S3, DynamoDB, Lambda, API Gateway), Terraform, PowerShell, EC2 Image Builder, Cloud Development Kit (CDK)

Development Environments: Visual Studio, Xcode

Other Technologies: HTML5, CSS, SASS, i18n/l10n, WAI-ARIA, Bash scripting

Mobile Development: Android Java, Objective-C, Cordova, KendoUI, Flash

Testing: Unit testing, End-to-end testing, Integration testing, Visual Diff testing

Experience

Senior Software Engineer & Front-end Architect, Dovetail Software – Austin, TX 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 the 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.
- Conducted comprehensive integration tests using TestCafe to verify seamless interaction between components within the application's fullstack environment.
- Streamlined the development process with React and hooks, improving team productivity while maintaining scalability and clean code architecture.
- Managed continuous integration (CI) pipelines using TeamCity, orchestrating automated builds on AWS EC2 image builders.
- Led the implementation of cloud infrastructure solutions using Terraform to automate deployment processes and enhance scalability
- 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.

- Senior Software Developer**, DecisionGrid, Inc – Austin, TX Feb 2014 – May 2014
- *Short employment time caused by company closure at end of May.*
 - Migrated a Ruby on Rails app to an EmberJS single-page application.
 - Led and mentored other team members on JavaScript and EmberJS best practices.
 - Implemented Facebook integration and querying into Ember Data.
- Senior JavaScript/Ajax/HTML/Mobile Developer**, Promethean – Austin, TX March 2013 – Feb 2014
- Led mobile application development for a cross-platform JavaScript solution using AngularJS, KendoUI, and LESS.
 - Developed the C# Windows Store app while updating and maintaining native iOS Objective-C and Android Java apps.
 - Established modern web development workflows with unit testing (Mocha, Grunt, PhantomJS) across platforms.
- Flash Developer & Interactive Media Developer**, XO Group (The Knot) – Austin, TX Feb 2007 – March 2013
- Initiated my 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.
- Freelance Software Architect**, Clarus Agency – Austin, TX 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.
- Freelance Software Architect**, RAPP – Austin, TX 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.
- Freelance Flash Developer**, BSG Alliance – Austin, TX Feb 2014 – May 2014
- Designed Flash creatives for conference presentations.
 - Flash work for interactive pieces in larger web layouts.
- Webmaster, Web Developer & Graphic Artist**, Great Wall China Adoption – Austin, TX Dec 2005 – Feb 2007
- Designed and maintained PHP/MySQL based websites using Drupal for event management, accounting, and ecommerce.
 - Created visually engaging print materials and advertisements that achieved high engagement rates across national publications.
- Flash Developer**, EnterMediaNow – Austin, TX Jan 2004 – Dec 2005
- Translated clients' designs into Flash content for web/CD delivery.
 - Produced customized client marketing materials and email advertising campaigns.
 - Developed Flash demos for presentations, illustrating product capabilities to diverse audiences.

XML/Web Developer, Conformative Systems – Austin, TX

Jan 2004 – Dec 2005

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

Flash Developer, RealVue Simulation Technologies – Austin, TX

Jan 2002 – Dec 2003

- Led Flash development efforts for high-profile projects such as the Digital Color Book process and iGen3 printer.
- 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 – Austin, TX
Computer Science

2011

Links

- **Portfolio** (<https://barrettsonntag.com>)
- **Personal Blog** (<https://sosuke.com>)
- **GitHub** (<https://github.com/barretts>)
- **LinkedIn** (<https://www.linkedin.com/in/barrettsonntag>)
- **CodePen** (<https://codepen.io/sosuke>) (to my own surprise and joy one CodePen has nearly 2 million views!)