

# Hi. I'm Benji.

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I've got twenty years of experience designing and building user-facing software experiences on platforms from mobile phones to room-size VR, in domains from pre-k education to bat flight fluid dynamics. I want to solve problems for users by designing and building flexible, maintainable, beautiful systems.

## Skills

Befriend the user, build the culture, plan the project, refactor the code, and tune the process.

## Education

Brown University, Providence, Rhode Island – Bachelor of Arts in Computer Science with Honors, 1997

## Experience

### **STAFF FRONT-END ENGINEER, ALTSCHOOL, SAN FRANCISCO – FEB 2015 - PRESENT**

Architected, designed, and built web and mobile tools for educators to document, analyze, and share student work. Redesigned software planning and review process. Mentored junior engineers and led small teams. Helped kindergarteners use power tools.

### **SOFTWARE ENGINEER, TWITTER – 2010- FEB 2015**

Built campaign management user interface on ads.twitter.com using Ruby on Rails, Backbone, and Scala. Re-wrote workflow tools for developer experience, IPO compliance and cloud transition.

### **SENIOR SOFTWARE ENGINEER, YAHOO!, SUNNYVALE, CALIFORNIA – MAY 2009 - OCTOBER 2010**

Extended Hudson (now known as Jenkins) to meet the needs of Yahoo's continuous integration requirements.

### **CONTRACTOR, SAN FRANCISCO – 2008 - 2009**

Designed and implemented web application features for various clients using Java and JavaScript.

### **SENIOR SOFTWARE DEVELOPER, LASZLO SYSTEMS, SAN MATEO, CALIFORNIA – 2005-2007**

Implemented CSS support in Open Laszlo. Implemented a rich text editor in Flash. Created a JavaScript xUnit framework and benchmark toolkit.

### **RESEARCH PROGRAMMER, BROWN UNIVERSITY, PROVIDENCE, RHODE ISLAND – 2002 - 2005**

Designed and led implementation 2D and 3D projects with C++, OpenGL, and Java. Managed ChemPad, a sketching application for understanding 3D molecules, from initial idea through roll-out to students in Brown's introductory organic chemistry course.

### **SOFTWARE DEVELOPER, QUOKKA SPORTS SAN FRANCISCO – 2000-2001**

Built UI and processing tools for NBCOlympics.com using Java and C. Developed authoring tools for journalists in extreme environments.

### **CREATIVE ENGINEER, CONSTRUCT INTERNET DESIGN, SAN FRANCISCO – 1997 - 2000**

Developed multi-user games, web sites, and technology demonstrations for clients including Sony, Intel, and Netscape.