

# BUCK MELTON

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GitHub: [github.com/buckmelton](https://github.com/buckmelton)

Portfolio: [abuckslife.com](http://abuckslife.com)

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## >TECHNICAL SKILLS

- **Proficient:** Ruby, Rails, JavaScript, jQuery, React Native, Java, JSP, SQL, MySQL, RSpec, HTML5, CSS3, Sass, Handlebars, Linux, UNIX, Git
  - **Exposure:** ES6, Capybara, Factory\_Girl, C++, C, PHP,
  - **Human Languages:** English, Portuguese, German, French, Dutch, Hawaiian, Papiamentu
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## >PROFESSIONAL EXPERIENCE

### Technical Founder + Software Engineer | Argonaut Software | San Francisco, CA 2007 - 2016

- Developed first web-based, all-in-one office management software suite for mental health care practices, growing revenue to \$4M annually with over 50,000 active customers.
- Constructed corporate web platform which brought in over 1,300 therapists to earn \$52,000,000 in revenue and schedule 800,000+ therapy appointments with 48,000 clients using JavaScript, HTML5 and CSS3.
- Designed templating of online system with HTML5 and CSS3, improving conversions and organic search leads.
- Architected MySQL database with 100+ tables and improved performance of querying by 52% with indexing.
- Surpassed gold-standard availability of 99.999% server uptime with RAID disk configuration and redundancy.

### Senior Software Engineer | Shutterfly | Emeryville, CA 2003 - 2006

- Led team of 4 software engineers on short-deadline project to construct management capabilities using Java which successfully saved ~520 hours of developer time and ~520 hours of marketing time annually.
- Engineered admin portal for web platform with custom page tags, content caching and streaming, and server cluster with Java to improve efficiency and profitability of marketing of seasonal products.
- Created SQL database schema to handle data access, persistence, session and presentation layers.

### Senior Software Engineer | Medchannel | Emeryville, CA 2000 - 2003

- Built multiple Java-based n-tier web applications offering calendaring, contract negotiation, and adaptive supply-chain management solutions.
  - Incorporated Java back-end business objects with front-end static HTML by designing and developing a dynamic Presentation Layer using JSP (JavaServer Pages).
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## >RECENT PROJECTS

### Software Engineer | Puppy Playdate | [code](#) 2016

*Community-based network of dog owners to locate and build play groups to provide a healthy dog-friendly environment.*

- Reduced front-end codebase by ~25% following React Native best practices and using ES6 classes to modularize the views into reusable components.
- Supported interactions between dogs and owners by constructing Ruby on Rails migrations and associations.
- Integrated Google Maps API into Ruby on Rails backend to display geolocation of user with clickable puppy-shaped map pins showing existing Playdate locations.

### Software Engineer | cyberMarket | [code](#) 2016

*E-commerce service for thrifty shoppers to quickly surf through the best online deals and blast them into their cart.*

- Properly divided role related privileges by building separate Admin and Customer interfaces utilizing Rails.
  - Ensured responsive UI/UX design across 5+ major browsers using JavaScript, HTML5 and CSS3 media queries.
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## >EDUCATION

**M.S. Computer Science**, Stanford University

**M.A. Geographic Information Systems**, San Francisco State University

**B.S. Computer Science**, Stanford University

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## >VOLUNTEER

**Rio 2016 Olympics**, Olympic Venue Transport Coordinator

2016