

# Jason Laumeister

Software Engineering and Architecture, Full Stack  
Engineering Project and Team Management  
Professional Services and Technical Consultant

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<https://www.jasonlaumeister.com>

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## Areas of Experience:

- Software Systems Design
- CIAM (Customer Identity and Access Management) and Best Practices
- High Availability REST API and Database Systems
- eCommerce, Checkout, and Financial Systems
- 3d Printing and Custom Manufacturing Applications
- Multi-Vendor System Integrations
- Large Scale Product Merchandising and Catalog Systems
- Decentralized Blockchain Applications
- App Developer of "Design Within Reach" - **Webby Awards 2013 Nominee**, Mobile Shopping Apps

## Technologies:

- LAMP (Linux, Apache, MySQL, PHP), Nginx, PostgreSQL, NoSQL
- JavaScript, HTML, CSS, JSON, AJAX
- jQuery, Angular, React, Node.js, Prototype, Bootstrap
- C#, C++, Ruby, Python, SQL, XML, Java
- Linux, OS X, iOS, Android, Windows, TCP/IP, Docker
- Bitcoin, Ethereum, Cryptocurrency
- Google Firebase

## Employment History:

### Software Systems Architect, Senior Software Engineer (multiple contracts)

March 2018 to July 2018

Consultant, Multiple Projects.

- Open source application for tracking geographic location and density of feral animal colonies, including trap/neuter/release programs.
- Consulted on galliformes husbandry project for a stealth startup.

### Software Systems Architect, Engineering Team Lead (contract) - Sapient

October 2017 to March 2018

- Lead systems architect for financial services portal designs.
- Led five person engineering architecture team during project design phase.
- Full stack design, including Angular front end, PostgreSQL and Java back end.
- Single sign on integration with third party financial data providers, including Yodlee and Albridge.
- IAM integration (OpenIAM), distributed OLTP, and API layers.
- Tiered design, containerized using Docker and Rancher.

### Software Systems Architect, Senior Software Engineer (multiple contracts)

June 2017 to October 2017

Consultant, Multiple Clients.

- CIAM project consultant for **Persistent Systems**, a global technology services company.
- Consulted on mesh networked sensor devices project for a **stealth startup**.
- Designed software for remote internet enabled GPS sensor network to track agricultural resources and equipment in the field. Used for resource real-time accounting and anti-theft for a **stealth startup**.
- Prototyped decentralized blockchain application for secure energy trading within ad hoc network of local energy producers and consumers for a **stealth startup**.

### Lead Technical Consultant, Professional Services - Gigya

August 2014 to June 2017

Full time Position. Professional Services Consultant on multiple CIAM projects for multiple clients.

- Consulted directly with internal and external customer engineering teams to design and implement large scale CIAM (Customer Identity and Access Management) projects.
- Gigya's first professional services hire (lead technical projects consultant). Helped to build out department, create documentation and procedures, and train new engineers.
- Customer projects include those for Turner, General Electric, Sony, iRobot, Campbell Soup Company, KPMG, Time Warner, Fox, Marriott, NCAA, PGA, NBA, NFL, TBS, TNT, TCM, CNN, Adult Swim, American Heart Association, Hallmark, AGL Energy, News Life Media, American Kennel Club, Universal Music Group, Wacom, and others.
- Oversaw integrations between CIAM systems, Advertising and Data Management Platforms, CRM, ESP, and Data Exchange Services (Adobe, Salesforce, Magento, Drupal, Krux, Constant Contact, MailChimp, Marketo, Silverpop, Epsilon).
- Helped author customer facing instructional videos and product documentation.

## **Senior Projects Engineer - BeyondCore (startup)**

**April 2014 to August 2014**

- Independent projects, reporting directly to CTO.
- Designed and authored system security and admin tools, and secure release procedures.
- Developed interfaces for external data sources including both SQL and NoSQL.

## **Director of Software Engineering - Treofab (contract, startup)**

**September 2013 to March 2014**

- Managed remote engineering teams and coordinated software development for 3d Printing and custom manufacturing projects.
- Coauthored patent "3 Dimensional Manufactured Object Application Builder", 2013 Treofab
- Designed and implemented high volume REST API services running on Amazon Web Services (AWS) S3, EC2, and RDS. Written in PHP and C++ and consumed by mobile and web clients.
- Software to calculate in real-time how much it costs to 3d print an object from CAD/STL files based on size, calculated volume, surface area, and target materials.
- Web and mobile graphical 3d object editors written in JavaScript, WebGL, HTML5, and Unity
- Custom shopping cart, checkout and payments systems that show calculated product prices in real time based on user selection of object scale, materials, custom options, and target manufacturing company.
- eCommerce accounting systems that include flexible contract royalty calculations.
- International currency conversion using current exchange rates.
- API integrations with the ordering and pricing systems at external 3d manufacturing partners including Shapeways, 3DPrintUK, and i.materialise.
- Partner Portal where 3d Printing Service Bureaus can access their printing queues and orders.

## **API Projects Manager, Senior Software Engineer - Tocata / Revel Touch (startup)**

**March 2012 to September 2013**

- App Developer of "Design Within Reach" - **Webby Awards 2013 Nominee** in Mobile Shopping Apps category
- Responsible for high volume REST API services consumed by iOS, Android, and HTML5 apps.
- Consulted directly with Fortune 1000 merchandisers to integrate their product data, shopping cart, and web services with Tocata mobile catalog apps and API services.

## **Senior Software Engineer - iWin**

**August 2011 to March 2012**

- Helped brand a casual game site in partnership with Pogo and Electronic Arts.
- Developed web UI in HTML5, JavaScript, and CSS3 (Java/Tomcat).

## **Monetization Systems and API Design - Adknowledge**

**February 2010 to August 2011**

- Responsible for creating monetization, payment processing, and advertising systems for social game applications running on social networks like Facebook and Myspace.

## **Social Game Design and Monetization - SGN (startup)**

**October 2008 to February 2010**

- Developed Facebook and Myspace casual social games.
- Designed new content, promotions, and virtual goods.
- Integrated 3<sup>rd</sup> party advertising and payment processing systems.
- Designed mechanics of in-game virtual economies and markets with multiple currencies.
- Programmed social network authentication and viral messaging.

## **Senior Software Engineer - Tinyprints (startup)**

**July 2007 to September 2008**

- 3<sup>rd</sup> engineering hire instrumental in defining company engineering best practices, repeatable release processes, software documentation, and coding standards.
- Authored eCommerce systems, shopping cart and order processing, coupon promotions and gift certificate systems.

## **Senior Software Engineer - Yahoo Autos (contract)**

**October 2006 to July 2007**

- Pioneered the use of content management systems at Yahoo Autos.
- The Green Center and International Auto Show sites **set new Yahoo Autos record** at more than 1.5 million page views per day at peak.
- Responsible for Autos RSS feeds displayed on Yahoo front page.

## **Owner, Engineering Manager - PygmyElephant (startup)**

**September 2005 to November 2006**

- Designed a SAS framework to quickly develop custom web applications [LAMP].

## **Owner, Engineering Manager, Senior Software Engineer - Boulder Creek Software**

**November 1990 to January 2006**

Managed contract software engineering for more than 70 projects for Fortune 1000 companies, the State of California, and the U.S. Federal Government.

### **Project Highlights:**

- **U.S. Federal Government** - Battlefield Mobile Fingerprint Scanning and Identification App
- **U. S. Department of Energy** - Hazardous and Radioactive Materials Tracking System
- **Pacific Gas and Electric Co.** - Energy Contracts and Accounting System, **1.2 billion dollars**
- **State of California USGS** - Earthquake Mapping System
- **Ford Motor Company** - Internet Automotive Warranty System, **26 million vehicles**
- **Stanford University** - Interactive Television System Firmware Operating System
- **ETRADE** - Event and Resources Scheduling Software
- **Exponent** - Automotive Air-bag Control Software
- **EPRI** (Electric Power Research Institute) - Web-based Reporting and Graphing Application
- **Ford Motor Company** - Internet Class Action Lawsuit Database, **50 million claimants**
- **Hewlett Packard** - Sales and Customer Support Systems Development
- **Molecular Devices Corporation** - Chemistry Process Automation, **50+ laboratories worldwide**
- **Rush** - Oil Industry Pipeline, Equipment, and Processes Management Software
- **Charles Schwab** - Sales and Commissions Support System
- **Applied Materials** - Engineering Documentation and ECO Management System, **1 billion dollars inventory**
- **Ocular Sciences** - Contact Lens Manufacturing and Accounting Software
- **CellularOne** - Marketing Reports System
- **Bay Microfilm** - Imaging Software and Utilities Development
- **Varian** - Warehouse Management and Inventory System
- **Sun Microsystems** - Engineering Customer Support Software
- **Deloitte and Touche** - Help Desk Support Software

## **Software Engineer - Caere Corporation**

**July 1987 to October 1990**

- Optical character and image recognition systems engineering.