

# Robert Brennan

Full Stack Engineer / Tech Lead

[1bobbrennan@gmail.com](mailto:1bobbrennan@gmail.com)

Santa Monica, CA | 424-272-1969

## TECHNICAL SKILLS

**Tech & Tools:** NodeJS, JavaScript, TypeScript, React/Vue, DevOps, Python, PHP, Docker, Analytics, AWS, Serverless, MySQL, NoSQL, Git, Oracle ATG, Puppet, Jenkins, Apache & NGINX, Tag Managers

## PROFESSIONAL EXPERIENCE

### **TUITION.IO - Senior FullStack Engineer**

2019 – Present | Santa Monica, CA

- Building new features and integrating APIs for Tuition's student loan financial management dashboard portals.
- Managing the financial account aggregation process which provides normalized payment & transaction data.
- Coding with NodeJS, Typescript, Vue, Postgres, Algolia, Firebase, AWS Serverless on AWS.

### **RED Interactive - Senior FullStack Engineer**

2018 – 2019 | Santa Monica, CA

- DevOps & Backend development (React, Node, Python), Docker & Server configurations, APIs development & managing production deployments to AWS and other Cloud platforms.
- Designed an AWS Serverless app to allow for dynamic advertising updates w/o re-trafficking, & handles 10-20 million hits per day (MSNBC / Apple)
- Developed an API for Samsung's Smart Home store ( [samsung.com/us/837](https://samsung.com/us/837) ), for connected home devices.
- Dev Lead for Samsung s837's Smart TV & Android photo sharing & smart home control app.

### **BEACHBODY - Senior Software Engineer**

2016 – 2018 | Santa Monica, CA

- Senior Engineer (Frontend, backend, DevOps) development for several multi-platform Beachbody eCommerce & video streaming subscription services; [UltimateReset.com](https://UltimateReset.com) [BeachbodyOnDemand.com](https://BeachbodyOnDemand.com)
- Coding new features, API development, deployments, cache & asset management on an Oracle JAVA backend, React/Redux, Docker, AWS Serverless APIs, Jenkins, Travis CI/CD with Jest testing.
- Analytics tag management: Tealium, GA, Optimizely. Server monitoring w/ AppDynamics & Splunk

### **SAATCHI ART (Demand Media) - Senior Software Engineer**

2014 – 2015 | Santa Monica, CA

- Full stack eCommerce development in all areas of the platform: checkout & admin dashboards, analytics, deployments, APIs development, & logging (ELK)
- Implemented Google Tag Manager analytics & tracking tags for GA/UA, AdWords, & automated Google Merchant Center affiliate product feeds [saatchiart.com](https://saatchiart.com)

### **20<sup>th</sup> Century Fox (X-Team) – Development Lead & Head of Integrations**

2013 – 2014 | Century City, CA

- Team lead, managing a group of 10 web developers for FOX's American Idol, Season 13, site redesign
- Coded for multiple Fox sites: American Idol, Fox.com, So You Think You Can Dance, Glee
- Created a division of X-Team focused on 3rd party APIs; social media walls, commenting, real-time contests (Gigya, LiveFyre, Mass Relevance, etc.) **X-Team:** [x-team.com](https://x-team.com)

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## **DISNEY INTERACTIVE – *Senior Web Applications Engineer***

2012 – 2013 | North Hollywood & Glendale, CA

- Frontend development, analytics & SEO, DoubleClick DFP Ads, A/B testing.
- Created the WordPress theme for Disney Blogs: [blogs.disney.com](http://blogs.disney.com)

## CONTRACT POSITIONS

### **Black Box Creative Group – *JavaScript Web Developer***

2012 | Hollywood, CA

- Developed a Facebook Invite app (PHP, JavaScript ) for the Warner Brothers movie, “Trouble with the Curve”  
Link: [facebook.com/TroubleWithTheCurve](https://facebook.com/TroubleWithTheCurve)

### **TRAILER PARK, INC. – *JavaScript Web Developer***

2012 | Hollywood, CA

- Developed a Smart TV social media photo sharing app (*OutMyWindow*) for Warner Brothers
- Multi-platform release across Yahoo TV, Google TV, Web, & Mobile: [trailerpark.com](http://trailerpark.com)

## ENGINEERING POSITIONS

### **PHOTO-SONICS, INC. – *Systems Project Engineer***

2010 – 2011 | Burbank, CA

- Performance testing of hypervelocity Infrared optical tracking systems conducted on US military weapons & missile test ranges ( [photosonics.com/video-gallery](http://photosonics.com/video-gallery) )
- Infrared camera / sensor integration across multiple wavelengths (SWIR, MWIR, LWIR, visible)
- Technical documentation of military software test procedures & operation manuals

### **TELEDYNE JUDSON TECHNOLOGIES - *Software & Hardware Design Engineer***

2004 – 2010 | Montgomeryville, PA

- Hardware & software design of Infrared cameras, Infrared sensors, video correction algorithms, & data acquisition test systems for focal plane arrays & various embedded devices.
- Designed web-based data acquisition device test system with sub-micron measurement accuracies

**Tech:** .NET, C++, C#, LabVIEW, VHDL, MySQL, **IR:** SWIR, MWIR, & LWIR, InGaAs, MCT

## EDUCATION

The Pennsylvania College of Technology (Penn State Affiliate), Williamsport, PA

BSEET - Bachelor of Science, Electronics Engineering Technology