

# Robert Brennan

Full Stack Engineer

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

Santa Monica, CA – 424-272-1969

## TECHNICAL SKILLS

JavaScript, Node, React, TypeScript, Python, Analytics, AWS, Serverless, SQL, NoSQL, Docker, Postgres, Oracle ATG, Git, Ansible, Jenkins, Apache & NGINX, Sentry, DevOps

## PROFESSIONAL EXPERIENCE

### Tuition.io

Senior Software Engineer

1/2019 – Present

Santa Monica, CA

- Backend feature development and RESTful API integration for Tuition.io's cloud-based student loan platform.
- Managed the financial aggregation process integrating 3rd party APIs to display loan data to user dashboards
- TypeScript, Node, Vue, Postgres, Serverless, Docker, Algolia, Firebase, SQS, Dynamo, Lambdas, AWS
- Ansible for configuration management, Firebase & Route 53 for subdomain provisioning & site redirects (DevOps)

### RED Interactive

Senior Full Stack Engineer

4/2018 – 1/2019

Santa Monica, CA

- Created an API for Samsung's Smart Home exhibition of connected home devices [samsung.com/us/837](https://samsung.com/us/837)
- Development Lead for Samsung s837's Smart TV & Android photo sharing & smart home control app
- Designed a high-volume Serverless app (10 million hits per day) allowing for ad-hoc asset updates
- Backend & DevOps & Server configs, API design, & deployments to AWS and Joyent Cloud platforms
- Django, Python, React, Node, Docker, Serverless

### Beachbody

Senior Software Engineer

12/2015 – 4/2018

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)
- Coded new checkout features, integrated AWS Serverless APIs to an Oracle ATG JAVA backend
- Handled Akamai cache invalidation and wrote BIG-IP/F5 server redirect iRules
- Tech Stack: React/Redux, Jest, AWS, Serverless, Docker, AWS, Jenkins, CI/CD Tealium, Optimizely, Ruby

### Saatchi Art / Demand Media

Senior Software Engineer

4/2014 – 12/2015

Santa Monica, CA

- Backend & DevOps related to the eCommerce platform: API development and integration, checkout SNS/SQS events, admin dashboards, site deployments (Puppet, Capistrano, Vagrant, AWS SNS/SQS, Kibana)
- Implemented Google Tag Manager across the site; adding general analytics and tracking tags.
- Automated the data ingest of 250,000+ products to the Google Merchant Center & affiliate feeds (Ruby/Rails)

### 20<sup>TH</sup> Century Fox (X-Team)

Development Team Lead

7/2013 – 4/2014

Century City, CA

- Team lead managing a group of 10 web developers to redesign FOX's American Idol, Season 13
- Ads & integration for multiple Fox sites: American Idol, Fox.com, So You Think You Can Dance, Glee
- Led a division of X-Team focused on 3rd party APIs; social media walls, curated comments

### Disney Interactive

Senior Web Applications Engineer

7/2012 – 7/2013

Glendale, CA

- HTML & JavaScript; Frontend development analytics & SEO, DoubleClick DFP Ads, A/B testing
- WordPress; Created the WP theme for Disney Blogs: [blogs.disney.com](https://blogs.disney.com)
- Created an email templating tool for project managers to quickly update content related to blog site update emails

# Robert Brennan

Tech Lead | Full Stack Engineer

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## CONTRACT POSITIONS

### Black Box Creative Group

JavaScript Web Developer

5/2012 – 6/2012

Hollywood, CA

- Facebook Invite app using PHP & JavaScript for the Warner Brothers movie, “Trouble with the Curve”

### Trailer Park, Inc.

JavaScript Web Developer

2/2012 – 4/2012

Hollywood, CA

- Smart TV app; created a social media photo share app, “OutMyWindow” for Warner Brothers
- Multi-platform release across Yahoo TV, Google TV, Web, & Mobile: [www.TrailerPark.com](http://www.TrailerPark.com)

## ENGINEERING POSITIONS

### Photo-Sonics, Inc.

Systems Project Engineer

7/2010 – 12/2011

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

Hardware & Software Design Engineer

7/2004 – 5/2010

Montgomeryville, PA

- Build a multi-axis motorized infrared electro-optical device test station to characterize the IR guidance components for the Navy’s SM-2 missile, which led to a \$5 million annual contract
- Designed multiple cryogenic instrument control & web-based data acquisition applications for IR components down to sub-micron measurement accuracies
- Created software user interfaces, SDKs for Infrared cameras & operation code for the embedded hardware
- Developed the Infrared camera lab’s device characterization & test software; numerical analysis, video correction algorithms, NETD, non-uniformity
- Tech: .NET, C++, C#, LabVIEW, VHDL, SQL, IR: SWIR, MWIR, & LWIR, InGaAs, MCT

## EDUCATION

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

**BSEET** - Bachelor of Science, Electronics Engineering

**AAS** – Associate of Applied Science, Electronics Engineering Technology