Robert Brennan
Tech Lead | Full Stack Engineer

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, adding features & RESTful APIs into Tuition's cloud-based student loan financial platform
- Managed the account aggregation process; user dashboards of normalized transaction & loan data
- TypeScript, Node, Vue, Postgres, Algolia, Firebase, SQS, Lambdas, Serverless on AWS

RED Interactive
Senior Full Stack Engineer

1/2019 – 4/2018
Santa Monica, CA

- Created an API for Samsung's Smart Home exhibition of connected home devices 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
- Tech: 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 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

- Full stack coding for the eCommerce platform: checkout UI, dashboards, analytics, deployments, APIs
- 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)

20TH 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, commenting, curating

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

Robert Brennan

Tech Lead | Full Stack Engineer

1bobbrennan@gmail.com
Santa Monica, CA | 424-272-1969

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

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
- 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