# 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](http://www.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](http://www.ultimatereset.com/en_US/) [BeachbodyOnDemand.com](https://www.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](http://www.saatchiart.com/)

**20th 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](http://x-team.com/)

**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://www.facebook.com/TroubleWithTheCurve/app/441834125861834/)

**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](https://www.trailerpark.com/work/project/out-my-window-app-ux-design)

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# 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://www.photosonics.com/video-gallery.htm) )
* 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