# **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**

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| 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)

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| 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](http://www.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

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

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| 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)

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| 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, curated comments

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| 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](http://blogs.disney.com/)
* Created an email templating tool for project managers to quickly update content related to blog site update emails

# **CONTRACT POSITIONS**

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| 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”

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

# **ENGINEERING POSITIONS**

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| 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://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

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| 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