

Joe Torraca

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EDUCATION

Georgia Institute of Technology

2015 – 2019

- Bachelor of Science in Computer Science (*High Honors*)
 - Focus on Artificial Intelligence and Human-Computer Interaction
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EXPERIENCE

Senior Software Engineer II — Etsy

June 2019 — Present

- System architect of offsite ads experimentation platform enabling Etsy's marketing to achieve a 5x increase in experimentation velocity
- Trained and integrated a fraud prevention machine learning model into offsite ads resulting in a 14% decrease of fraud attributed to offsite ads
- Tech lead for integrating Etsy's global blocklist into offsite ads reducing a 23 hour delay into realtime removal of listings with disapproved terms
- Lead initiative to refactor multiple APIs powering offsite ads to leverage concurrent data collection leading to 63% decrease in response times and improving scaling headroom for years to come
- Took initiative to refactor legacy account management pages on Etsy web into a modernized tech stack resulting in improved UX, consistent design language, and compatibility with the accessibility guidance

CEO & Founder — Lateplate

April 2018 — July 2021

- Designed and built cross-platform iOS and Android applications leveraging React Native
- Developed responsive feature-complete React web application for non-iOS or Android devices
- Scaled backend infrastructure gracefully with auto-scaling to handle over 3,000 requests/second
- Oversaw company acquisition and integration into largest collegiate food supplier in U.S.

Lead Residential Technical Advisor — Georgia Tech Wreck Techs

August 2016 - May 2019

- Worked with enterprise network equipment and services to design and build multiple internal applications
- Developed PHP application for tracking unauthorized wireless networks on Georgia Tech's network improving campus-wide network efficiency and speeds
- Led initiative to improve performance on legacy codebases by over 1,500% by implementing an efficient caching strategy
- Implemented robust monitoring & alerting across all managed systems

Software Engineering Intern — Etsy

May 2018 - August 2018

- Integrated a 3rd-party CMS into the homepage of Etsy to enabling self-service designer modification of homepage landing experience without engineering support
- Architected the pipeline for ingesting images from the 3rd party CMS into Etsy's photo-stack
- Integrated Etsy's translation pipeline into the CMS publish workflow to ensure all translatable-strings get translations requested automatically
- Released numerous A/B experiments to production to measure the impact of feature changes

Software Engineering Intern — CareerBuilder

Summer 2016 & 2017

- Collaborated with Google engineers to build out CareerBuilder's implementation of *Google for Jobs*
 - Rewrote Clojure-powered Graph Based Recommendation API with a *Node.js* application
 - Wrote a tool to identify orphaned EC2 DataDog agent installations saving nearly ~\$10,000/year
 - Implemented Redis caching improving internal APIs performance and reducing EC2 instances required
 - Architected and published an internal *Node.js* SDK for interfacing with the team's APIs through consistent interfaces
 - Winner of the multiple award for outstanding performance and significant team contributions
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SKILLS

Programming: TypeScript, Node.js, React, PHP, Python, Git, MySQL
Infrastructure: Kubernetes, Docker, Kafka, Google Cloud Platform, Amazon Web Services
Design: Figma, Adobe XD

PROJECTS

JARVIS Home Automation System

February 2012 - May 2019

- Developed Node.js natural language query processor
- Integrated Wit.AI Natural Language Processor for text analyzation and conceptual understanding
- Created Text-To-Speech engine built on top of IBM Watson's Text-To-Speech engine integrated with a Crestron Media Control System
- Integration with numerous proprietary APIs to control various devices and information sets