Aravind Natchiappan

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EDUCATION

Georgia Institute of Technology   Atlanta, Georgia
Bachelor of Science in Computer Science   *Dec 2023*

EXPERIENCE

Founder / CEO   January 2023 – Present
Lunar Software, LLC   *Atlanta, Georgia*
- Currently grossing $5K+ revenue per month with 100+ paying monthly active users and 97% profit margins.
- Sole developer of a SaaS startup that automates the tedious listing and organization / management process for resellers or businesses with stale inventory that needs to be sold.
- Requires 0 manual entry to bring existing items into the platform and only takes a few clicks to list on marketplaces like eBay, facebook marketplace, shopify, and more.
- Developed a full-stack web application using React, Node.js, MongoDB, Typescript, and Tailwind CSS
- Created an extensible processing engine & web automation platform to minimize excess development time.
- To minimize costs (almost free to run), the database and API servers are self-hosted on AWS with the frontend being hosted for free on cloudflare pages. This custom DevOps setup reduces monthly costs by 98%

Software Development Engineer Intern   May 2023 – August 2023
Amazon   *Manhattan, New York*
- Designed and implemented a new production-facing layer within Amazon's Advertising API Proxy Service, streamlining the deprecation of legacy endpoints. In turn, this has significantly reduced unnecessary dev time.
- Created a new internal package / pipeline from scratch using Java, with multiple stages, unit & integration test cases, and multi-region compatibility, ensuring it meets the same resiliency standards as the rest of the service.
- Designed to withstand 14,000 TPS funneled via every request made to Amazon's global Advertising API.

Software Development Engineer Intern   May 2022 – August 2022
Amazon   *Sunnyvale, California*
- Implemented lazy loading during the fetch of Alexa Shopping List Savings categories and category based deals.
- Modified the DynamoDB and backend layers to implement a paginated request/response structure.
- Used React Native to modify the client application to dynamically make paginated requests.

Software Engineer Intern   May 2021 – August 2021
NCR   *Atlanta, Georgia*
- Spearheaded a project that merges two of NCR's digital banking acquisitions, Digital Insight (DI) and D3 Banking
- Modified D3 Banking's UI to allow requests from DI's backend server to be made by creating a middleman facade layer using Spring Boot. Migrated key components like Accounts, Bill Pay, Transfers, and UI configurations.

PROJECTS

[Acquired/Sold] Truth or Drink | *github.com/aravindnatch/truth-or-drink*
- An online ad-free version of the card game, truth or drink.
- At peak, ranked #1 on Google for "truth or drink"
- At peak, received 10K/mo search impressions with 20% CTR
- Built with Next.js and deployed for $0/mo

Picture Perfect | *github.com/aravindnatch/pictureperfect*
- A React Native app that uses augmented reality and Machine Learning to tell you how to take the most optimal picture based on your surroundings and user inputted preferences.
- Parses GPS data, current lighting, sun position, object relativity, and other factors to determine not only the most optimal location for the user to stand but also the most optimal location for the photo taker to stand as well.
- After scanning the area, two AR bodies are rendered on the app showing where both parties should stand.

TECHNICAL SKILLS

Languages: Typescript, Javascript, Python, Java, HTML/CSS, SQL
Frameworks: React, Node.js, Express, Flask, Tensorflow, Keras
Developer Tools: CI/CD, Docker, UNIX/Bash, Git, AWS/GCP/Azure