Ali Eskandari

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Work Experience

Listr (Pre-Seed Startup)   **Los Angeles, CA**
Lead Founding Engineer, Full-Stack   July 2023 – Present
Listr (now spelltrader.com) is a platform for trading card game players with e-commerce, deck-building, and advanced card search capabilities.

- Led a team of engineers in the development of a responsive, user-friendly web app using React, TypeScript, and Next.js from the ground up, achieving a fully functional MVP in under 8 months.
- Engineered powerful deck builder interface, leveraging React Query for frontend caching, Firestore for deck metadata, Zustand for global state, and Next.js for image optimizations. Users can easily search through a database of 400k cards, choose between different prints, move cards between the main deck and side deck, and see marketplace availability at-a-glance.
- Developed a user-to-user marketplace with in-app and email notification system using SendGrid for emails, Stripe for Payments, Scryfall for pricing data, and Next.js for RESTful APIs. Buyers can bundle items from different sellers into a single order and pay once. Notifications are sent to sellers when their items sell and can withdraw funds. Buyers can check the status of individual packages within orders and receive notification for order updates.
- Developed advanced product search feature with typeahead functionality, utilizing Typesense for the search database, React Query for caching and pagination, Firestore for product metadata, and Next.js for url param storage. Users can search through a database of cards based on unique Magic the Gathering card details, such as Mana Value, Color, Set, and Card Text with instant response times.
- Managed the project's deployment across Google Cloud Platform, Firebase, and Vercel.
- Guided junior developers through code reviews and pair programming, enhancing their coding skills and fostering a collaborative team environment.

Qortor (Pre-Seed Startup) (Contract)   **Los Angeles, CA**
Sr. Software Engineer, Full-Stack   Feb – June 2023

- Achieved markedly improved Lighthouse Performance metrics using Next.js for lazy loading / image optimization, alongside React optimization techniques such as useEffect optimization and state memoization. Achieved a minimum 40% improvement in key Lighthouse metrics (First Contentful Paint, Total Blocking Time, and Cumulative Layout Shift).
- Engineered OAuth 2.0 integration between Qortor and Shopify using Node.js and Express.js, leveraging the Authorization Code grant type for secure access to protected routes. This connection enabled a seamless user experience, allowing Shopify users to securely export data—including products, orders, and customers—to Qortor directly through a 'Connect to Qortor' button on their Shopify dashboard.
- Improved code quality, readability, and maintainability using Modularization, Single Responsibility Principle, and Decomposition.
- Designed efficient, scalable database schemas in MongoDB to improve performance and reduce codebase complexity.
- Reported updates to the CEO regularly and worked collaboratively within a team of designers, developers, and project managers.

Dojo Apps   **Los Angeles, CA**
Sr. Software Engineer, Full-Stack   Dec 2021 – Jan 2023

- Led the design, development, and successful launch of two Shopify apps with React, Express.js, and Node.js. Apps allowed sellers to automate order fulfillment between Shopify and Amazon Seller accounts, streamlining e-commerce operations, and integrate social media into their storefronts for enhanced product display and engagement.
- (*FBA Connector App*) Developed a backend RESTful API using Node.js and Express.js to manage application data, including Orders, Products, Users, and Webhooks. Backend API served as an endpoint for Amazon Selling Partner API notifications, syncing order and shipment updates from Amazon to connector app.
- (*Social Media Integration App*) Developed backend RESTful API using Node.js, Express.js, and MongoDB to manage application data, including Users, Photos, and Photo Feeds. Backend API integrated with Instagram Display API to fetch user's media metadata, as well as interact with Shopify API for account access authorization and initiating paid subscriptions.
- Engineered app to meet Shopify's data and user security standards for publishing onto Shopify App Store.

DomumGym   **Los Angeles, CA**
Founding Engineer, Full-Stack   Aug 2021 – Dec 2021
(JavaScript, React, Node.js, Firebase, Cloud Functions, Firestore, GC Storage, Elasticsearch, Stripe, GCP)

- Led the development and deployment of a video platform for workout instructors, handling everything from user experience design to deployment, similar in function to YouTube but focused on exercise content. Leveraged React.js and Bootstrap for the frontend, Firebase Cloud Functions (Node.js) for the backend, Cloud Storage for media storage, Elasticsearch for full-text fuzzy search, and Stripe for user-to-user subscriptions.
- *Key Achievement*: Was able to develop a fully functional MVP—complete with video uploading, full-text search, and user-to-user subscription model—in under 4 months.

Wyzant **Los Angeles, CA**
Full-Stack Development Tutor Jan 2019 – Mar 2021
(JavaScript, Ruby, React, Node.js, Express.js, Ruby on Rails, MongoDB, MySQL)
- Instructed beginners in foundational web development skills, covering React, Express.js, MongoDB, Ruby on Rails, and MySQL as well as concepts such as Client-Server Architecture, Model View Controller (MVC), Scripting, Web Scraping, API Creation, and Authentication Systems.
- *Key Achievement*: Achieved a perfect average rating of 5 out of 5 based on 597 client reviews, while accumulating over 1,300 hours of tutoring experience.

Booz Allen Hamilton **McLean, VA**
Full-Stack Engineer Jan 2016 – Jan 2018
(JavaScript, Ruby, Ruby on Rails, Ember.js, HTML / CSS, MySQL, Elasticsearch, AWS)
- Aided in the development of a business web app using Ruby on Rails and Ember.js. Application allowed businesses to easily organize, search, and share company documents within a private, secure infrastructure.
- *Key Achievement*: Reduced application deployment times from days to a few hours by implementing AWS Elastic Beanstalk and CloudFormation in the deployment strategy.

Education

University of Maryland **College Park, MD**
B.S., Computer Science (GPA: 3.55) May 2015

Skills

Frontend: React (4 years), Next.js (2 years), Zustand, Redux (1 year), Tailwind CSS (3 years), Bootstrap, Storybook.js, Lighthouse, React Query, Prisma, Jest, Zod. **Backend:** Node.js / Express.js (3 years), Ruby on Rails (2 years). **Languages**: JavaScript (5 years), TypeScript (3 years), Ruby (3 years), HTML / CSS (5 years), Python, Java. **Databases**: MySQL (2 Years), PostgreSQL, MongoDB (2 years), Google Firestore, Elasticsearch (2 years), Typesense. **DevOps**: AWS (3 years) EC2, SQS, S3, SES, EBS, CloudFormation, Vercel, Google Cloud (1 year), Firebase (1 year), Docker, GitHub Actions. **Other**: Figma, Stripe. **Relevant Courses**: Design and Analysis of Algorithms, Data Structures, Software Engineering