

Andre J. Gou

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EXPERIENCE

THUMBTRACK

Senior Software Engineer

Mar 2022 - Present

- **Technology Evaluation:** Implemented frontend proof of concepts of internal admin pages to evaluate low-code vendor option against in-house React/Next.js architecture. Wrote synthesis doc with detailed time and cost analysis to aid leadership decision-making.
- **Admin Platform Overhaul:** Developed overhaul plan with staged milestones to improve security, usability, and developer productivity for legacy internal admin platform hosting 100+ features and tools used by operations, sales, and engineering. Delivered tightly scoped initial platform with a GraphQL API and Next.js front-end that integrates with Okta SSO for authentication, enabling all future development to avoid the legacy platform.

Software Engineer

July 2019 - Mar 2022

- **Review Improvements:** Revamped ad-hoc fake review detection process (Google sheets populated from SQL) into a real-time system. This reduced processing latency from ~1 day to <1 second, improved maintainability and monitoring, and enabled dark launches for iteration.
- **Background Checks:** Built page for users to start a background check in-product instead of through an off-site flow, enabling future iteration such as an SSN-less background check, for which I guided architectural design and development. The SSN-less background check is an industry-leading offering that enabled pros on the platform without SSNs (about 10% of total) to take a background check.
- **Architecture Roadmap:** Assessed and developed roadmap for Trust & Safety technical architecture. Migrated pro license upload/lifecycle functionality out of PHP monolith into new Go microservice utilizing Kafka event streaming, with zero downtime.

AMAZON

Software Engineering Intern

May 2018 - August 2018

- Developed full-stack web app with Java and Angular for managing audit generation of the Amazon catalog.
- Responsible for entire software lifecycle from gathering requirements to product deployment.
- Reduced complexity and improved reusability of existing Angular UI components for org-wide use.

Software Engineering Intern

May 2017 - August 2017

- Built extensible Java framework to consolidate data from varying database benchmarks into unified format.
- Wrote web-app in React that used Elasticsearch + Kibana to visualize processed results.
- Project has since been extended to two more benchmarks and is still used to monitor development progress.

SKILLS/TECHNOLOGIES

Languages	Go, Typescript/Javascript, Python, Java
Technologies	git, React.js, Next.js, GraphQL, Apache Thrift, Postgres, SQL

EDUCATION

University of Illinois at Urbana-Champaign

Master of Computer Science

GPA: 4.00 | May 2019

Bachelor of Science in Computer Science

GPA: 3.79 | May 2018

OTHER

Mario Kart 8	All cups 3-starred on 150cc
Teamfight Tactics	Achieved rank of Master in Set 4, 4.5, 5