

Alejandro Chang

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SKILLS JavaScript, React, Next.js, Nest, Node, React Native, Redux, HTML5, CSS3, GraphQL, Apollo, MongoDB, SQL, Git, JIRA

EXPERIENCE

Overflow Sep 2023 - current - www.overflow.co

Senior Fullstack Engineer - (JS, TS, React, Next.js, Nest.js, Node, MongoDB, Git, Linear, Microservices, DevOps)

- Led, architected and implemented Apple Pay, Google Pay and wallets integration creating an average growth of 187.5%+ MoM for Overflows donation platform over a span of 2.5 years.
- Revamped, redesigned and re-architected the tooling, libraries and infrastructure of the client-facing dashboard used for stock, dafs, crypto, cash and manual deposits. Since updating our UX/UI/DX we have been able to increase our DAU, MAU, YoY activity and have led to higher retention across our most important customers.
- Implemented and designed an event system toolbox and toolkit to ultimately create event standardization to be able to measure KPIs across our engineering efforts. Using our event analysis toolbox and standardization engineers and product managers can now design, test and implement events on the client side which can be analyzed using A/B testing, analysis and data driven development.
- Established a scalable design system for our Frontend products increasing UI/UX consistency across our products.

TikTok Dec 2019 - July 2023 - www.tiktok.com

Full Stack/Frontend Engineer - (JS, TypeScript, React, Redux, Next.js, Node, SQL, Git, Jira, Microservices, DevOps, CI/CD, CDNs)

Award: International Collaboration Award TikTok

- Founded the US Frontend Engineering department and team as the first US engineer helping scale the team from 2 (tech lead and I) to over 75+ engineers today with over 8+ teams. Mentored 2 engineers on a bi-weekly basis
- Led and was part of different teams across TikTok: User Growth, PnS, Safety, Websites, Branding/Embed, TikTok on TV
- Interviewed over 250+ engineers from juniors to principal engineers gauging their level and understanding of programming.
- Owned and was sub-tech lead for TikTok websites including pages falling under www.tiktok.com, support.tiktok.com, newsroom.tiktok.com and various other TikTok owned domains and microservices.
- Operated and conducted the project releases, general deployment, on-call schedule and procedures, technical product reviews, service runbooks, general service documentation and high level designs of various TikTok services.
- Conducted metrics analytics for many of TikTok websites adding missing metrics, auditing existing metrics, conducting overall metrics and AB analysis for business needs and using that analysis for data driven development/product decisions.
- Led, architected, designed and launched large and high impact features such as [Help Center](#) with search functionality (706K pageviews/day - 21M pageviews/30 days), TikTok [Accessibility Page](#) with high lighthouse accessibility for users, [Creator Discover List](#) highlighting our top creators, [Year on TikTok](#) highlighting the top viewed videos from creators by country and region and many other sites falling under the tiktok domains.
- Executed mid-size to large scale migrations of codebases, repos and microservices performing cloud and infrastructure operations, analysis and service testing to ensure successful and safe migrations at the infra and service level.
- Successfully introduced performance optimizations for TikTok on TV, improving lighthouse metrics (LCP, FCP, reducing bundle size, making babel optimizations) and overall improving UX/UI experience for users.

BlackBird Air (now Surfair) Dec 2018 - Nov 2019 - www.surfair.com

Full Stack SWE - (Javascript, React/Redux, Apollo GraphQL, Node.js, React Native, MongoDB, Docker, Git, Redis, Mode)

- Redesign and architect the internal tooling admin replacing the infrastructure and improving technologies..
- Integrated, maintained and extended third party API systems including Stripe, Intercom, Gladly, Twilio, Sendgrid and more.
- Aided in the development of the BlackBird mobile app release 4.0.0, 5.0.0.
- Created new data sets and collections using CRUD operations/schemas and data migrations into a MongoDB database serving over 100,000 users. Created/maintained thousands of documents, cleaning up data inconsistencies and irregularities.
- Automated business processes and logic saving tens of thousands of dollars in manual labor and facilitating tasks such as emails, seasonal marketing campaigns and buying flight tickets for the operations and customer service teams.

INITIATIVES

SowingDev - Full Stack Mentorship Program where I mentor junior engineers get full time positions - [Live](#)

EDUCATION

App Academy - Immersive software engineering course with focus on full stack web development and software engineering (2018)

University California @ Santa Barbara - Double BA - Political Science & Spanish Language