

# Justin Zhang

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## Skills

**Technical:** TypeScript, JavaScript, Kubernetes, GraphQL, PostgreSQL, SQL, Python, A/B Testing

**Tools/Frameworks:** React, Next.js, Node, AWS (S3, EC2, ECR, Lambda), Prisma, CircleCI, New Relic, Google Ads

## Experience

**Realtor.com, Software Engineer Two** July 2024 - Present

- Delivered projects for 70M monthly active users as a full-stack engineer on Media (Ads & Client Campaigns) and Finance (Mortgage) teams, managing products generating over 10% of company revenue
- Increased programmatic ad revenue by \$XXXXK annually by launching a custom Prebid Server on AWS (ECR, ECS, VPC, Cloudformation), handling over 100 million daily ad auctions
- Built a new insurance product (Typescript, Next, Node, GraphQL, Prisma, PostgreSQL) to provide prospective renters products during their home search journey

**Realtor.com, Software Engineer One** July 2023 - July 2024

- Led a team of four engineers and designers to develop Realtor.com's first creative landing page campaign (Next.js, React), reaching 30 million unique users and featured on national television
- Developed an ad event ingestion pipeline (TypeScript, Google Ad Manager), processing 150 million daily ad events and improving revenue mitigation response times via real-time alerting
- Came first place in three internal hackathons with projects such as AI chatbots for first-time homebuyers, AI-powered home comparison tools, and LLM summarization of insights for homeowners

**Meta (Facebook Marketplace), Technical PM Intern** May 2022 - Aug 2022

- Reduced a key blocker for launching new experimentation on Facebook Marketplace by establishing a new legal review framework, earning an "exceeds expectations" final intern rating
- Drove Facebook Marketplace growth experiments for young adults, reaching over 500M users by highlighting seasonal product listings and increasing engagement by over 1%

**Shopify, Software Engineer Intern** May 2021 - Aug 2021

- Developed critical user flows for a new GitHub sync feature (React, TypeScript), powering 10K+ stores at launch and presenting results at Shopify's annual Unite developer conference
- Prototyped and presented a feature to help merchants track their outgoing shipments, surfacing relevant information directly within Shopify and consolidating 10+ data sources for an internal hackathon

## Projects

**Learning+, Learning center management software** Dec 2024 - Present

- Working with the owner of a Kumon learning center to build an intelligent management platform, automating back-office tasks and client-facing portals to streamline operations

**CaseCom, Profitable SaaS for managing event scoring** April 2020 - Aug 2022

- Secured a year-long paid contract with Shopify to facilitate monthly internal case competitions for over 300 employees, leading to a Shopify internship the following summer
- Generated over \$3K in revenue by building a full-stack web application (React, JavaScript, Node.js, MongoDB), hosted on AWS (S3, EC2, Cloudfront), and scaled to support clients from around the world

## Education

**Western University, Ivey Business School**

Bachelor of Science (BSc) in Computer Science & Honors Bachelor of Arts (HBA) in Business