

Agam Jolly

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EDUCATION

University of California, Berkeley

Bachelor's Degree in Computer Science

CS Scholars Program

Major GPA: 3.733/4.000

- Relevant Coursework: Data Structures, Machine Structures, Advanced Algorithms, Computer Security, Artificial Intelligence, Software Design, Web Architecture, Data Science, Internet Protocols and Architecture

TECHNICAL SKILLS

Languages: Python, Golang, TypeScript, JavaScript, Java, PHP, Bash, C/C++, SQL, HTML/CSS

Technologies and Frameworks: Flask, Node.js, Express, React, Django, Pandas, MongoDB, Kafka, Angular

Infrastructure and Tools: AWS (S3, EC2, DynamoDB), Docker, Apache, Digital Ocean, NGINX, GCP, Git

EXPERIENCE

Twitch

Software Development Engineer

Feb 2023 – Present

San Francisco, CA

Technologies: Golang, TypeScript, React.js, GraphQL, AWS (DynamoDB)

- Introduced Venmo as a payment method option sitewide for transactions across all Twitch services in the US.
- Expanded backend operations of internal pricing and payments-related backend services written in Golang by implementing 10+ endpoints to facilitate transactions made using newly introduced payment methods.
- Onboarded a newly hired junior software engineer through an introduction to the frontend codebase written in React and GraphQL via pair programming sessions to shorten development time for service launch.
- **Highlight: Consistently exceeded performance expectations by launching multiple project experiments and services weeks ahead of schedule while maintaining code development standards.**

UC Berkeley School of Law

Software Engineer

May 2022 – Feb 2023

Berkeley, CA

Technologies: JavaScript, React.js, Node, PHP, SQL

- Improved user experience by re-designing the class scheduling app, smoothening course enrollment process.
- Directed the development and overhaul of an internal seating chart system used by over 2,000+ alumni and current students at scale by developing an automated pipeline for organizing student metadata in SQL.
- **Highlight: Engineered backend infrastructure that used Airtable as a NoSQL-style database, spinning up new JSON files upon modification, leveraging a CDN to cache results 50% quicker in real time.**

Levels.fyi

Software Engineer

Aug 2021 – May 2022

Cupertino, CA

Technologies: Nest.js, Express, Next.js, JavaScript, PostgreSQL

- Built an all-inclusive offer negotiation service platform connecting clients with recruiters at tech companies.
- Integrated distributed scheduling services with payment gateways by implementing over 5 different endpoints through payloads in response to callbacks in React/Next.js using a REST controller service built in Nest.js.
- **Highlight: Improved existing checkout experience by devising a custom payout channel using Stripe API, consolidating over 80% of the company's total revenue stream under a single pipeline.**

TikTok Inc.

Software Engineer (Intern)

May 2021 – Aug 2021

Mountain View, CA

Technologies: Golang, TypeScript, React, Hive/Hadoop, AWS (EC2)

- Accelerated development of the TikTok Store Manager by writing production-ready microservices and APIs for performing fuzzy searches across storefronts on the TikTok Ads Platform using an RPC service in Go.
- Collaborated with product managers and designers to expedite frontend development using React with TypeScript, deploying 7 pivotal UI features into production and fixing 20+ critical bugs in the codebase.
- Implemented cached queries for TeaLogger events, reducing calls to the backend database by over 60%.
- **Highlight: Spearheaded the development of the export metrics feature on the TikTok for Business platform by writing 10,000+ lines of code in Go and React, delivering 2 weeks ahead of schedule.**