

Zeshan Anwar

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Software Engineer

About

At Apple, our system processes 2 petabytes of data daily. Introduced a low-latency event tracing platform supporting 'Apple Silicon' and 'Apple Pay Later'.

Co-founded Knock It Pro, driving it to a \$1M valuation in 5 months.

Experience

Senior Software Engineer · Apple Apr '19 - Present

- Designed processing infrastructure that manages over 2 petabytes of data daily; improving data handling efficiency by 40%, and supports YoY data growth of 20%.
- Led migration from on-premises hardware to the cloud, reducing operational costs by ~5x and eliminating a \$1M annual hardware investment.
- Directed 'Threads' project, enhancing document processing by 250%, examining millions of events in billions of documents for Apple Pay Later. Obtained \$20 million investment for data team formation within Apple Pay.
- Collaborated with NSA analyst on Threads, enhancing data security and creating proprietary algorithms, establishing new benchmarks.

Software Engineer · Bazaarvoice Apr '17 - Apr '19

- Boosted data processing speed by 40% and facilitated 25% YoY data growth through the development of a real-time denormalization engine in Kafka, enabling low-latency computations on a distributed cluster.
- Achieved a tenfold reduction in response latency for Target and Sears platforms; a decrease from ~2s to ~200 ms.
- Oversaw API servicing over 2 billion monthly calls from key clients such as Walmart, Target, and Sears.

Education

University of Waterloo | Bachelor's Degree Grad Apr '17
Bachelor of Computer Science Honours

Projects

Knock It Pro (KIP) · knockitpro.com · Founder & Chief Technology Officer Apr '23
Created a 2-opt heuristic algorithm efficiently routes over 300 waypoints within 50ms, significantly surpassing the industry benchmark of 25 waypoints.

- Developed a nationwide D2D canvassing index covering all ~300 million U.S. addresses, unlocked sub-500ms lasso-ed polygon search

FittedRims · limitlesstire.com/package-builder Jan '24
Spearheaded the development of the product recommendation package builder for LimitlessTire, a first-of-its-kind tool in the automotive industry, leveraging advanced fitment algorithms to tailor tire and wheel recommendations.

- Next.js, Vercel, FastAPI, Supabase