Aaliyan Kapadia

Full-Stack Software Engineer

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Technical Skills

Languages and Frameworks

Python, JavaScript, TypeScript, HTML, CSS, SQL, MATLAB, React, Flask, Node.js, GraphQL, FastAPI, SQLAlchemy, Tailwind CSS, Next.js

Tools & Platforms

PostgreSQL, Git, Docker, AWS, Linux, Cypress, Retool, Shopify, Klaviyo, GA4, Google Ads Platform, Meta Events Manager, Vercel, Shadcn

Employment history

Full-Stack Software Engineer, May 2023 - Present

Epoch, Waterloo, ON (Remote)

- Developed product features across React + TypeScript frontend and Flask + GraphQL backend for enterprise clients (e.g., Salesforce, Asana, GoDaddy, Workday)
- Built and deployed a scalable ERG management system with Slack integration; streamlining memberships, questionnaires, and centralizing insights - directly contributing to Series-A ARR, securing key customers, and driving $100K+ upsells
- Engineered a robust insights dashboard leveraging AWS SQS queues to compute and visualize complex metrics through interactive heatmaps and dynamic charts, accelerating stakeholder decision-making processes, and increasing upsell value ($50K+)
- Architected dynamic form systems for event creation, featuring conditional question flows, secure response storage, and attendance tracking, supporting over 100K MAUs.
- Spearheaded ShadCN UI migration and scalable frontend architecture to reduce complexity by 35% and enforce visual consistency

Full-Stack Software Engineering Intern, Jan 2022 - Aug 2022

Epoch, Waterloo, ON (Remote)

- Developed a multitude of features by working closely with cross-functional teams and customers like Reddit, Datadog, and Instacart; improving their employee experience and internal events processes
- Integrated 3rd-party APIs (Slack, Google Calendar, WorkOS) into Flask backend with modular GraphQL data layer
- Authored Cypress E2E test suites to ensure deployment confidence across customer workflows

Data Engineering Intern, Jan 2021 - Apr 2021

RBC - Borealis AI, Toronto, ON (Remote)

- Optimized Apache Spark pipelines by 40% through improved partitioning strategies and caching
- Automated MLflow model logging, cleaning, and dashboard reporting using Apache Airflow and Superset
- Developed internal data catalog (React + Flask) to centralize team access to dataset metadata

Software Engineering Intern, May 2020 - Aug 2020

Pronti AI, Toronto, ON (Remote)

- Designed & developed the Pronti application back-end from scratch, resulting in scalable APIs and seamless integration with the front-end
- Created REST APIs in Flask that handled application functionality and ML algorithm implementations with JSON-based communication
- Data Access Objects (DAOs) to separate back-end components, ensuring code scalability

Technical Projects & Ventures

Full-Stack Engineer, Playfield (YC/Conviction Pitched)

- Built an **Enterprise Superintelligence App MVP**: integrates with systems (e.g., Microsoft 365 via MCP) to enable natural language querying, secure data modification, and AI-generated apps in a sandbox.
- Implementing reasoning + tree algorithm pipeline for context-aware task planning and execution.

Co-Founder & Full-Stack Engineer & Growth Lead, Nuve (DTC Lighting Brand)

- Scaled Shopify brand to $100K+ in 2 months (1.8x ROI, 1,756+ orders, 2.1% CVR) through Meta, Google, TikTok Shop, and Amazon
- Built and maintained site architecture, custom analytics setup (GA4, GTM, Klaviyo), and Meta/TikTok event pipelines
- Launched Meta campaigns, Google PMax, and TikTok GMV with UGC and influencer content at scale using automation tools

Founder & Full-Stack Engineer, Retro Gaming Ecommerce Brand (Exited)

- Built and optimized Shopify storefront and full-funnel ad strategy, scaling to $1M+ revenue in 8 months at 2.0x ROI
- Executed data-driven conversion tests, custom landing page flows, and influencer partnerships to scale to 10K+ customers globally
- Managed profitable digital marketing campaigns across Meta, Google, and TikTok platforms, leveraging advanced analytics and targeted advertising strategies

Education

Bachelor of Applied Science (BASc), Engineering, 2018 - 2023

The University of Waterloo

Relevant Courses: Linear Algebra, Engineering Computation & Programming, Process Data Analysis, Numerical Methods & MATLAB design

Portfolio

Website: aaliyan-portfolio-dun.vercel.app.