Kumail Rizvi

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SUMMARY

Computer Science student at UW Bothell (graduating Dec 2027) seeking a Summer 2027 software engineering or AI internship. I build and deploy full-stack apps end to end with Python, TypeScript, React/Next.js, Flask and Supabase, and have six projects live on Vercel, including a RAG assistant with an MCP server.

EDUCATION

University of Washington Bothell - B.S. Computer Science & Software Engineering - GPA 3.60 Expected Dec 2027

- Coursework: Data Structures & Algorithms (C++), Database Systems, Computer Networks, Programming Methodology (Java), Hardware and Computer Organization (CSS 422), Network Architecture and Management (CSS 431), Portfolio demo backends (Go)
- Awards: Dean's List (5 quarters) - Valedictorian, Henry M. Jackson High School (top 5%) - WA State Honors Award (top 10%)

PROJECTS

Ask Kumail - RAG Assistant + MCP Server - TypeScript, Next.js, Vercel AI SDK github.com/kumailrizvi890/ask-kumail

- Built a RAG assistant over my resume and project docs: heading-aware chunking, BM25 written from scratch and embedding search merged with reciprocal rank fusion, and answers that must cite every claim.
- Exposed the same search as a remote MCP server with 3 tools that Claude can call, wrote a 22-question retrieval eval where embedding search reached 100% top-1 accuracy vs 86% for keyword, and covered the retrieval code with 35 automated tests (Vitest) running in CI.

TradePro - Paper-Trading Terminal - Python, Flask, Supabase, Vercel github.com/kumailrizvi890/TradePro

- Built a trading terminal that tracks 25 crypto and US-equity symbols, with candlestick charts, SMA overlays and a live RSI pane, using Yahoo Finance data and TradingView lightweight-charts.
- Wrote an 8-factor confluence gate in Python to score trade setups, plus ATR-based position sizing and an SMA-crossover paper engine that saves trades and equity snapshots to Supabase.

Fade Kings - Barbershop Booking App (demo) - Next.js 14, TypeScript github.com/kumailrizvi890/Barber-Shop

- Built a full-stack booking app with three roles: customers book and rate barbers, barbers manage availability and requests, owners approve barbers and track shop stats.
- Implemented guest checkout with Supabase anonymous sign-in that upgrades to a full account without losing bookings, Postgres row-level security, and a Realtime owner dashboard.

PawPass - Offline-First Shelter App - Python, Flask, SQLAlchemy, PostgreSQL github.com/kumailrizvi890/PawPass

- Built an installable PWA for animal shelters and foster volunteers covering pet profiles, care updates, shift checklists and emergency flags.
- Designed a Flask REST API on PostgreSQL and a cache-first service worker with background sync so volunteers can log care with no connection. Integrated the Gemini API as an AI care assistant that suggests care recommendations for each pet.

Ops Automation - Scheduled Workflow Dashboard - Node.js, Supabase github.com/kumailrizvi890/Ops-Automation

- Built 4 scheduled serverless workflows (job-board crawler with dedupe, CRM lead enrichment, interview slot matching, follow-up drafting) and logged every run to Supabase behind a 4-tab dashboard.

Qmail - AI Scam-Detection Email Client - React, TypeScript, OpenAI github.com/garv-seth/qmail

- Team project, 5th place at WSU Hackathon 2025: built the React/TypeScript front end and the OpenAI scam-classification flow with structured JSON responses and OAuth sign-in for a PWA email client that flags scam emails.

EXPERIENCE

Brand Ambassador - Marvin Windows & Doors (Costco in-store program) - Seattle, WA Feb 2026 - Oct 2026

- Ran in-store sales for Marvin's home window replacement program at Costco, averaging 8 leads per 4-day work week and consistently ranking in the top 3 on my team.

Brand Ambassador - Instacart (Caper Carts launch) - Bothell, WA Jul 2024 - Oct 2024

- Demonstrated AI-powered Caper smart carts to shoppers during the in-store launch and walked customers through scan-as-you-go checkout.

LEADERSHIP & TRAINING

- Vice President, Pakistan Student Association, UW Bothell (Jul 2023 - Jul 2026): planned and ran 5+ events per academic year.
- Vice President, International Student Society, UW Bothell (Jul 2023 - Jul 2026): organized career and academic programming. Founding member of the Cricket Club.
- Global Career Accelerator - Data Wrangling with SQL (2026): segmented 22,576 game users by spend and found 210 high-value users generated $40,255 versus $7,334 from 701 low spenders.

SKILLS

- AI/LLM: LLMs, RAG, OpenAI, Gemini, Claude, MCP tool integrations
- Languages: Python, Java, TypeScript, JavaScript, SQL, Go, C++, HTML/CSS
- Frameworks: React, Next.js, Flask, Node.js/Express, Tailwind CSS, SQLAlchemy
- Tools: Git, PostgreSQL, Supabase, Docker, Vercel, REST APIs, OAuth/SSO, Figma, Azure