

Shiven Ajwaliya

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Education

Northeastern University, Boston, MA

December 2027

B.S. in Computer Science, John Martinson Honors Program

4.0/4.0

Study Abroad: Software & Data in Global Politics — Belgium | Software Engineering & Innovation — Australia

Certifications: AWS Certified Cloud Practitioner, AWS Certified AI Practitioner

Technical Skills

Languages: Python, JavaScript, TypeScript, Java, Kotlin, SQL, C, HTML, CSS

Frameworks/Tools: Node.js/Express.js, React, Prisma, Flask, FastAPI, PostgreSQL, MongoDB, JWT, JUnit, Vitest, Git

Cloud & DevOps: AWS (ECS Fargate, RDS, Cognito, S3, Route53, CloudWatch), Terraform, GitHub Actions, Docker

Work Experience

iQor | Software Engineering Intern (Los Angeles, CA)

June 2026 – August 2026

- Extended compliance auditing coverage on a **business process outsourcing** platform serving a **50K+ agent workforce**, by adding automated screen-recording verification (**OCR + 80% similarity-threshold** timeline segmentation) to an existing **transcript-only pipeline**, correlating spoken values to on-screen fields within a **configurable time window**
- Replaced **5% manual sample review** with full-batch auditing across **10K+ pages**, by building an **OCR-based letter audit system** detecting balance errors, missing dates, and template inconsistencies with **confidence-graded results**

Via Separations | Software Engineering Co-op (Boston, MA)

January 2026 – April 2026

- Managed and shipped **16 production and beta releases** over 4 months as release manager for a full-stack **warehouse management system (React/TypeScript, FastAPI, PostgreSQL)** while conducting code reviews on a **5-person team**
- Built a **backward-scheduling engine** integrated into the material planner that computes procurement deadlines across multi-level bills of materials, replacing manual spreadsheet planning for **250+ users** on the operations team
- Deployed a dev **AWS** environment from scratch using Terraform across **18 modules (ECS Fargate, RDS, Cognito)** and built a three-tier **CI/CD pipeline** with **GitHub Actions** including automated database reseeding

Quak Travel | Software Engineer (Remote)

April 2025 – February 2026

- Built a recommendation system with **OpenAI embeddings**, **Pinecone vector search**, and **Prisma/PostgreSQL** that generates **personalized 3–28 day travel itineraries** from a dataset of **2K+ TikTok-sourced trips**
- Helped secure **\$140K in seed investment** by building the product demo's backend, integrating **Google Places** and **OpenWeather** data with reliability infrastructure (**caching, logging, monitoring**)

Projects

SkyHanni | Kotlin, Java

June 2026 – Present

- Replaced **manual card-memory-tracking** with real-time guidance for **30K+ users**, by building a **4-state color-coded highlighting overlay** for a minigame in Hypixel SkyBlock, Minecraft's **largest multiplayer server**
- Shipped features across **10+ releases of SkyHanni (4.8M+ downloads)**, an **open-source** mod with **200+ contributors**, including an on-screen HUD with alerts that closed a reminder-visibility gap

FinishLine | TypeScript, React, Express, PostgreSQL

January 2026 – Present

- Enabled** leads to track meeting participation across Northeastern Electric Racing's **300+ member team** by adding **2 attendance graph types** to FinishLine's statistics dashboard, aggregating completed meetings in **Prisma/PostgreSQL**
- Resolved** stale file-upload state across **2 modal components** in Part Review and a misplaced draggable component in Gantt; added **Markdown rendering** to admin onboarding checklist items for **100+ weekly active users**

Care Compass | Python, SQL, Flask, Docker

May 2025 – June 2025

- Built a **relocation recommendation engine** ranking personalized outcomes across **3 weighted priority categories** (healthcare, cost, and safety), by applying **cosine similarity** with user-adjustable weights
- Developed **time-series regression models** forecasting global health trends through **2045**, by analyzing historical data across **6+ health indicators** spanning **190+ countries**
- Designed a **SQL** data model integrating **7+ public healthcare datasets**, enabling cross-country comparisons, preference tracking, and predictive scoring