

# Rishi Kanabar

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## EDUCATION

### Northeastern University

Boston, MA

*Honors Bachelor of Science in Computer Science and Mathematics, GPA: 3.9/4.0*

*Aug 2022 – Dec 2025*

**Relevant Coursework:** Algorithms and Data, Object-Oriented Design, Artificial Intelligence, Software Development, Theory of Computation, Linear Algebra, Multivariable Calculus, Probability and Statistics, Group Theory

## TECHNICAL SKILLS

**Languages:** Python, Java, TypeScript/JavaScript, SQL, Rust, C#, Terraform, Bash

**Frameworks and Libraries:** React, Node.JS, Django, Flask, Next.JS, ASP.NET Core, Jest, Playwright, JUnit

**Tools:** Git, AWS (DynamoDB, Lambda, S3, EKS, EC2), Kubernetes, Linux, Nix, Docker, CI/CD

## EXPERIENCES

### DraftKings

Boston, MA

*Software Engineer Intern*

*Jun 2024 – Aug 2024*

- Increased cross-platform player retention by 35% by implementing an Auto-SSO feature, allowing users to switch between first-party and white-label products without the need for reauthentication.
- Streamlined testing of third-party authentication flows and JWT token generation by developing a fully configurable OAuth 2.0 mocking client, reducing developer entry time by 90%.
- Refactored the React Router implementation to integrate code splitting and lazy loading, successfully reducing the Largest Contentful Paint (LCP) from 3.4 seconds to 2.3 seconds.
- Increased authentication success rate on native platforms to over 99% through the native web-view standardization initiative, reducing login times and improving jurisdictional regulation across platforms.

### Bain Capital

Boston, MA

*Applications Developer Co-op*

*Jan 2024 – May 2024*

- Engineered a SQL Server metadata parser using the JDBC driver to automate metadata crawling for over 150,000 capital market assets, enhancing data lineage and dependency tracking.
- Accelerated ETL jobs by 60% and reduced total cost of ownership (TCO) by 40% by leading the migration of a legacy database cache builder to Snowflake.
- Provisioned AWS ElastiCache Redis instance using Terraform, optimizing data caching for on-premises asset management software and generating annual cost savings exceeding \$8,000.

### Sandbox at Northeastern

Boston, MA

*Technical Lead, Head of Recruitment*

*Sep 2023 – Present*

- Lead a team of developers to design and implement a scalable full-stack application to view and submit reviews for over 2,500 co-ops and internships using Next.JS, tRPC, and Postgres.
- Made key system design decisions to handle user influx and optimize review processing efficiency.
- Planned and executed a recruitment campaign that attracted 150+ applicants for developer and designer positions.

## PROJECTS

### Co-op Evaluation Resource | *Next.JS, React, TypeScript, tRPC, Postgres, Prisma, NextAuth*

- Developed a full-stack job review platform, allowing students to read and evaluate internship postings.
- Implemented 25+ tRPC-based API endpoints, ensuring type safety and authenticated access across the portal.
- Leveraged pagination and fuzzy searching, to optimize data fetching on the front-end.

### SimuTrade | *Express.JS, TypeScript, Docker, JWT, Prisma, Postgres*

- Built a robust RESTful API for managing and trading simulated stocks and portfolios.
- Containerized the application using Docker, streamlining deployment and integration.
- Implemented JWT-based authentication, ensuring role-based access for API consumers.

### Premier League Dataset | *Python, Selenium, BeautifulSoup4*

- Created an efficient Selenium-based web scraper to compile English Premier League player statistics.
- Published the dataset for public use, receiving 25K+ views and 5K+ downloads.