EKENE ILLOH

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EDUCATION

Cornell Tech, New York, NY   May 2023
Master of Engineering in Computer Science | GPA: 3.7
Relevant Coursework: Data Structures and Algorithms, Building Startup Systems, HCI and Design, Database Systems,

Drexel University, Philadelphia, PA   June 2022
Bachelor of Science in Electrical Engineering | GPA: 3.9
Minors in Computer Science and Business Administration

TECHNICAL SKILLS

Programming:	Python, Scala, JavaScript, Dart, R, TypeScript, Golang, Java
Frontend:	Angular, React, CSS, HTML
Backend:	Apache Spark, Node.js, Express.js, SQL, NoSQL
Cloud & DevOps:	AWS (OpenSearch, EC2), Azure, Kubernetes
Testing & Debugging:	Junit, Jest, Cypress, End-to-End (E2E)
Tools:	Git, CI/CD, Jira, Confluence

EXPERIENCE

BlackRock Inc., New York, NY
Software Engineer II   January 2026 – Present
- Led a major refactor of the Go-based Aladdin Message Bus SDK to improve reliability and maintainability, introducing enterprise-grade WebSocket reconnection strategies

Software Engineer I   August 2023 – December 2025
- Implemented a centralized Market Terminal Gateway (MTG) daemon service enabling Aladdin applications to seamlessly interact with multiple financial market terminals using Golang SDK
- Engineered a responsive, real-time progress bar component for copilot UI by integrating streaming API services with the backend improving user feedback during copilot responses using react and angular
- Led the successful migration of Paycheck's UI to micro frontends using single SPA, enabling faster release cycles

Amazon, Software Development Engineer Intern, New York, NY   September 2022 – December 2022
- Built an OpenSearch cluster to aggregate advertising service logs, improving log retrieval speeds by 40%
- Developed a query system to enable developers to search customer-related logs, significantly enhancing debugging efficiency
- Automated infrastructure provisioning using AWS CDK, reducing deployment time by 50%

TECHNICAL PROJECTS

Market Terminal Gateway – A standardized bridge between Aladdin applications and multiple financial market terminals   Summer 2025
Designed and implemented a centralized Market Terminal Gateway (MTG) daemon service enabling Aladdin applications to seamlessly interact with multiple financial market terminals (Bloomberg, Refinitiv Eikon, FactSet) improving cross-platform consistency
- Standardized terminal integration across web and Java apps, supporting actions such as launching security screens, workspaces, and streaming market data
- Simplified maintenance and extensibility by centralizing vendor-specific logic and enabling rapid addition of new terminal connectors
- Enhanced operational efficiency and security context consistency across the Aladdin ecosystem

InvestIQ – Portfolio Intelligence Platform   Spring 2025
Developed an Aladdin-powered portfolio intelligence platform for student investment clubs, advancing to the regional final round of BlackRock's internal hackathon
- Built a comprehensive React-based dashboard featuring portfolio analytics, risk assessment, and educational resources powered by Aladdin and Preqin APIs
- Implemented an AI-powered learning assistant with draggable interface and real-time investment guidance for student users

LEADERSHIP/ EXTRACURRICULAR ACTIVITIES /VOLUNTEER/COMMUNITY SERVICE

BlackRock Black Professional Network, Member, New York, NY   August 2023 - Present
Drexel NSBE, Technical Outreach Chair, Philadelphia, PA   August 2020 -June 2021