

Ismaeel Akram

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EDUCATION

New York University

May 2028

Bachelor of Science in Computer Engineering, Minor in Mathematics

Coursework: Computer Architecture, Data Structures & Algorithms, Linear Algebra, Probability & Statistics, Circuits

EXPERIENCE

ModStorage

Jan 2026 – Present

Software Engineer - SaaS Platform

New York, NY

- Building facility management system for self-storage operators, replacing legacy software across **10 facilities worldwide**
- Deployed Python monorepo on event-driven AWS microservices architecture, **saving \$62K/year** in operational costs
- Developed core financial engine to bill tenants and manage ledgers, processing **\$12M+ in annual payment volume**
- Optimized report generation **from 11 min to 7 sec** via schema remodeling and partitioning time-sensitive data in SQL
- Coordinating and building enterprise partner API integrations spanning insurance, auction, access control, and security

SOROS

Dec 2024 – Nov 2025

Software Engineer

New York, NY – Contract

- Built full-stack cryptocurrency marketplace platform, serving **4K+ users in 5 countries** with AWS serverless architecture
- Wrote Go cross-chain payment processor to bridge payments between **Ethereum, Solana, and Bitcoin** blockchains
- Developed product recommendation engine using weighted signals on heatmap data streamed from Apache Kafka

A Unified Whole

Sep 2024 – Jan 2026

Software Engineer

New York, NY – Part-Time

- Shipped e-commerce platforms for 8 retailers, supporting **\$5M+ in annual sales** using React and Shopify GraphQL
- Engineered location-based competitor analysis tool to parse scraped Parquet data and find pricing factors using LLMs
- Built investor-facing product platform using Next.js for a wound-care biomedical startup, supporting \$30M in funding

Outer Labs

Aug 2021 – Sep 2024

Application Developer

New York, NY – Part-Time

- Developed blockchain web/mobile games and enterprise websites using TypeScript, Python, and React Native
- Scaled Google Cloud and on-premises Linux infrastructure to serve 40K+ users worldwide with sub-100ms latency
- Contributed to studio's success, **earning 3 industry awards and generating \$1M+ profits**

PROJECTS

Linux File System Driver for iCloud - [IsmaeelAkram/icloud-linux](https://github.com/IsmaeelAkram/icloud-linux)

C++, Python, libFUSE, Linux

- Built libFUSE driver to add missing Linux support for iCloud Drive, growing into a project with **90+ GitHub stars**
- Implemented LRU cache and asynchronous hydration/sync queue to improve access latency and reduce API calls
- Profiled filesystem hot paths with perf and flame graphs to isolate I/O bottlenecks and optimize memory churn

Fine-tuned Student Query LLM - 1st Place, IBM GenAI Hackathon

- Won **1st** for fine-tuned LLM to find scholarships, grants, and internship opportunities personalized to student eligibility

SKILLS

Languages: C++, Python, Go, Java, TypeScript, Rust, C

Technologies: Linux, Kubernetes, AWS, Google Cloud, Terraform, Docker, PostgreSQL

Interests: Systems Programming, Algorithms, Distributed Systems, Cloud Development, Machine Learning