

# Ismaeel Akram

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## EDUCATION

**Brooklyn College & NYU Tandon School of Engineering**  
Bachelor of Science in Computer Engineering

May 2027

## EXPERIENCE

### SOROS

Founding Engineer

Nov. 2025 – Present

New York, NY

- Developing Go analytics engine to recommend products to users using heatmap data from AWS Kinesis & Apache Kafka
- Building Go crypto bridge system to take payments and sync activity between Ethereum, Solana, and Bitcoin blockchains
- Architected multi-region AWS worker + microservice infra using Go, RedHat Linux, CloudFormation, EC2, Lambda, RDS, VPCs
- Developed enterprise-grade e-commerce platform frontend and its brand UI component library using NextJS, TailwindCSS
- Created React providers for wallet authentication, crypto payment processing, shipping carriers, and store administration

### ParaNano (\$30M Series C)

Frontend Developer

May. 2025 – Aug 2025

New York, NY

- Developed product showcase website for preclinical biomedical startup using NextJS, Tailwind, and GSAP

### A.U.W. Studio

Full Stack Web Developer

Jan. 2025 – Present

New York, NY

- Developing React websites using Shopify Hydrogen for 5 food, jewelry, and skincare companies with total \$300K+ in sales
- Improved 3D asset download time by 73% by automating Brotli model compression with Python, AWS CloudFront, and S3

### Outer Labs Studio

Lead Application Developer

Aug 2021 – Present

New York, NY

- Led a team of 4 developers to build websites, mobile apps, and business software for startups and established companies
- Administrated AWS and on-premise Linux infrastructure, serving 40,000+ users worldwide at <70ms latency
- Reduced global API response times by 95% and saved \$3K monthly by implementing Go serverless functions on Edge
- Contributed to studio's success, earning 3 industry awards and generating \$1M+ profits

### AR Vehicle Recovery

Full Stack Developer

Feb 2023 – Oct 2023

Oxfordshire, United Kingdom

- Built geo-tracking server to track 12 company vehicles and dispatch recovery operations using WhatsApp & Maps API

### SmartBooks360

Full Stack Developer

Feb 2023 – Oct 2023

Queens, NY

- Built accounting business website using NextJS and TailwindCSS, and customer portal to track invoices and payment status

## PROJECTS

### Vulkan 3D Engine with Ray Tracing

C++, Vulkan, GLSL, CMake

- Built a C++ Vulkan 3D engine with entity system, depth buffering, GLTF model rendering, SPIR-V shaders, albedo textures
- Implemented Physically-Based Rendering (PBR) for reflections and shadows and Ray Tracing using Vulkan extension
- Optimized rendering pipeline using Vulkan Memory Allocator for GPU memory resources, triple-buffered frame data, and GPU timestamp profiling – while adding a rasterization fallback for older hardware

### Linux File System Driver for iCloud

Python, FUSE, Linux

- Built a Python FUSE driver to mount iCloud Drive as a Virtual File System on Linux devices, mention systemd.
- Added caching for file and directory metadata to improve performance, added support for all basic file operations (CRUD).

## ACHIEVEMENTS AND CERTIFICATIONS

**1st Prize Winner of IBM NYC WatsonX AI Hackathon**  
**IBM Full Stack Software Developer Certification**

May 2025  
February 2023

## TECHNICAL SKILLS

**Languages:** Go, Python, C++, Node.js, TypeScript, Java, .NET, Win32, UNIX

**Web:** Next.js, React, TailwindCSS, WebGL, React Native, Express, REST & WebSockets, Figma, GSAP

**Cloud:** AWS, Google Cloud, Linux, Terraform, Jenkins, Kubernetes, Ansible, Docker, Git

**Interests:** Cloud Architecture, Systems Programming, Web Development, Game Engines, Machine Learning