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 Software Engineer

December 2024 – September 2025
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)
Software Engineer

March 2025 – August 2025
New York, NY

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

A.U.W. Studio
Software Engineer

September 2024 – June 2025
New York, NY

- Developed 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 Software Engineer

August 2021 – September 2024
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
Software Engineer Intern

January 2023 – March 2023
Oxfordshire, United Kingdom

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

SmartBooks360
Software Engineer Intern

February 2022 – November 2022
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, 3D 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. Also added a rasterization fallback for older, non-ray-tracing 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, added auto-install for SystemD.
- Added caching for file and directory metadata to improve performance, added support for all basic file operations.

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