

# Rezwan Sheikh



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## Summary

Full-stack Software Engineer skilled in Next.js, React Native, Node, and TypeScript, with experience building secure and scalable web and mobile applications. Strong background in authentication, real-time features, API integrations, and system design. Experienced in developing AI-driven features using modern LLMs and RAG pipelines. Proven ability to ship production-quality projects, solve complex problems, and deliver end-to-end solutions.

## Education

### St. John's University

Expected Dec 2026

*Bachelor of Science in Computer Science (GPA: 3.6 / 4.0)*

Queens, New York

## Experience

### Momen Technologies

May 2025 – Present

#### Mobile Software Engineer

Orlando, FL (Remote)

- Built an LLM-powered knowledge assistant with context-aware responses, cutting latency by 40% and scaling to 10K+ queries/day
- Developed a React Native mobile app with Firebase Authentication, reducing login time by 30% and supporting 500+ concurrent users
- Implemented a real-time AI chat interface with smooth animations and persistent sessions, enabling sub-200ms response times

### Momen Technologies

Feb 2025 – May 2025

#### Software Engineer

Orlando, FL (Remote)

- Fine-tuned DeepSeek-Chat 7B with LoRA, improving response relevance by 30% and reducing memory and training time by 40%
- Built a RAG pipeline with LangChain, MongoDB, and Pinecone, boosting factual accuracy by 20% and reducing hallucinations
- Deployed a scalable NestJS backend on AWS EC2, reducing API response times by 35% through optimized load balancing and efficient request handling

### NEW EIC

Dec 2024 – Mar 2025

#### Software Engineering Intern

Boston, MA (Remote)

- Built a scalable interview management platform with cloud storage using MongoDB and AWS S3, achieving 3x faster retrieval and 70% lower storage usage
- Architected a strategy management system with RBAC, real-time collaboration, and approval workflows, reducing approval time by 40%

### Institute for Machine Learning

Sep 2024 – Dec 2024

#### Software Engineering Intern

Queens, NY

- Developed AWS infrastructure (EC2, RDS, Lambda) to improve scalability and system performance
- Increased scalability by 40% and reduced data processing time by 25% through cloud infrastructure optimizations
- Built time series models in Java, integrated econometric modules, and deployed real-time financial analytics

## Projects

### Horizon | React, Next.js, TailwindCSS, Plaid, Dwolla, Appwrite, Sentry

- Developed a financial web application using Plaid for bank account linking and Dwolla for secure fund transfers
- Implemented real-time error tracking with Sentry, reducing error resolution time by 50%

## Technical Skills

**Languages and Software:** Java, Python, JavaScript/TypeScript, HTML/CSS, Node, Express, Nest.js, React, React Native, Next.js, Firebase, MongoDB, PostgreSQL, Supabase, Appwrite, TailwindCSS

**AI/ML:** NLP, Prompt Engineering, Multimodal AI, LLM Fine-Tuning (LoRA/QLoRA), RAG, Agentic AI

**Tools:** IntelliJ, Eclipse, AWS, Docker, GitHub, Jira, VS Code, Postman, Sentry, OpenAI, Hugging Face, LangChain, Pinecone

**Certifications:** AWS Certified Solutions Architect - Associate | Amazon Web Services (AWS) | Feb 2025