

Aahil Nishad

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EDUCATION

Northeastern University, Houry College of Computer Sciences, Boston, MA

3.8/4.0 – Dean's List

Candidate for B.S. in Computer Science, Honors

Expected Dec. 2026

Highlighted Courses: SWE, Object-Oriented Design, Algorithms, Database Design, Theory of Computation, Discrete Math

TECHNICAL SKILLS

Languages: Java • TypeScript • Python • Go • JavaScript • C++

Frontend: React • React Native • Next.js • Astro • Vue • Tailwind • Vite SSR • Framer Motion

Backend: PostgreSQL • MySQL • MongoDB • Drizzle • SQLAlchemy • GoFiber • Hono • Express • FastAPI • Flask • OpenAPI

DevOps & Infrastructure: AWS • Azure • Docker • Git • Terraform • CI/CD

EXPERIENCE

Healthtech SaaS Startup

Jun. 2025 – Present

Member of Technical Staff (Software)

Remote

- Developed a full-stack therapy management platform (Next.js/TypeScript + GoFiber/PostgreSQL/OpenAPI) deployed across 3+ pediatric centers serving 45+ patients, processing 200+ monthly sessions.
- Engineered scalable multi-tenant architecture with HIPAA-equivalent data storage compliancy, workflows including patient-guardian relationships, cross-branch staffing, and real-time progress monitoring across international markets.
- Optimized database performance with indexed queries, connection pooling, and normalized schema handling 15+ interconnected entity types (patients, guardians, staff, sessions, patient goals, assessments).

Verizon Communications (NExT)

Jan. 2025 – Jul. 2025

Software Engineering Co-op

Boston, MA

- Architected and built a scalable React/TS + FastAPI/Python application with Verizon's AI&D Team deployed on AWS (ECS, Lambda, RDS PostgreSQL, VPCs) via Terraform, enabling automated processing of sentiment and network data.
- Designed and implemented an unsupervised ML pipeline (sentiment, anomaly, topic modeling) across 5+ external sources that reveals geospatial issue hotspots, enabling targeted investments and preemptive customer retention efforts that address \$150M+ in annual churn-related revenue loss.
- Automated scalable ETL workflows for multi-source data collection, transformation, and analysis, establishing trend monitoring capabilities that flag emerging issues across diverse data streams.
- Presented to 6+ network and technology VPs/SVPs to ensure stakeholder alignment and iterative improvements, translating complex technical concepts into actionable business insights that inform strategic decisions.
- Conducted 55+ comprehensive code reviews and biweekly technical knowledge transfer sessions to maintain code quality and ensure team-wide understanding of complex system architecture.

Generate Product Development

Sep. 2024 – Present

Software Engineer

Boston, MA

- Collaborate with a cross-functional team of 11-14 designers and engineers in an Agile environment to build a series of social media applications for clients, built with TypeScript, React Native, Golang, Hono, Fiber, PostgreSQL.
- Architect and develop backend systems, design database schemas and write CRUD endpoints for user activity, photo uploads, reviews, and social interactions.
- Build 25+ reusable frontend components including custom image carousels, infinite scroll feeds, and gesture-based navigation systems, with form validation, photo upload, and social connection features.
- Enhanced application performance and integrated key services, reducing query response times by 40% with Redis caching and connecting to third-party services like the Spotify API, Amazon S3, and Supabase Auth.

PROJECTS

Briefcase | AWS SES, S3, Lambda, Comprehend, DynamoDB, Next.js, Python

Feb. 2025

- Built a serverless job application tracking pipeline to dynamically route and forward emails based on user data.
- Trained an NLP entity recognition model on Amazon Comprehend and integrations with AWS Lambda for email content analysis, extracting fields like Position Title, Company Name, and Application Status for display.
- Integrated Clerk for authentication in a Next.js application, enabling user management and dynamic email generation.

HONORS

- Top 10 Project Finalist, *SiliconXL Launchathon* (Nov. 2024)
- Honors Impact Badge, *Northeastern University* (Aug. 2024)
- Best Use of MongoDB Atlas, *HackBeanpot2024* (Feb. 2024)
- VEX Worlds Div. Champion, *Danbury Robotics* (May 2023)

Languages: Malayalam (Fluent), Spanish (Conversational), Hindi (Beginner), Arabic (Beginner)