

Lahin T. Zaman

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EDUCATION

Rutgers University

Bachelor of Science: Business Analytics Information Technology & Computer Science

- o **Coursework:** Data Structures, Microeconomics, Macroeconomics

New Brunswick, New Jersey

Expected Graduation, May 2029

EXPERIENCE

Kumon.Inc

Instructor

Millburn, New Jersey

Sept 2023 – Aug 2025

- Taught underachieving students from ages 5-15 English and Mathematics skills with online and physical resources, and one-on-one tutoring

PROJECTS

CourseSentry

Lead Engineer

Millburn, New Jersey

Aug 2026 - Sep 2026

- Leveraged Python and Flask to build a real-time polling system against a public course-availability API, tracking unlimited course sections campus-wide with a single API call and sub-200ms alert latency.
- Built a multi-channel alert system on the Gmail API (OAuth2), Twilio, and carrier SMS gateways behind one operator-managed credential, delivering real-time email/text notifications to every user with zero authentication setup on their end.
- Integrated a reverse-engineered third-party GraphQL API with a custom name/department-matching algorithm to surface live instructor ratings inline with search results, resolving common-name collisions automatically instead of showing users the wrong professor.

VISION Daemon

Lead Engineer

Millburn, New Jersey

Sep 2026 - Present

- Engineered an end-to-end, low-latency voice pipeline combining on-device transcription (Whisper on Metal/Silero VAD) with streaming sentence-boundary TTS, eliminating cloud STT costs and cutting time-to-first-word by 79% (18.7s to 3.9s).
- Architected a secure, self-repairing code subsystem with hash-verified auto-rollbacks for safe autonomous edits, and hardened the agent's permission layer by patching a critical regex bypass to strictly gate MCP tool access.
- Shipped a secure, ubiquitous macOS Electron overlay app featuring a 460-node real-time audio-reactive UI, TLS token authentication, and a fail-closed bind policy to enable safe, full-screen cross-device access.

CalCamp

Lead Engineer

New Brunswick, New Jersey

Aug 2026 - Present

- Leveraged React Native's New Architecture to engineer a custom biomechanical volume-tracking algorithm, which accurately routed secondary muscle fatigue and prevented false overtraining alerts.
- Employed a secure Node.js/Express proxy and C++ Nitro modules to architect a nutrition pipeline featuring tailored Rutgers University dining integration, which enabled dynamic barcode resolution and seamless bidirectional Apple HealthKit syncing.
- Utilized Expo Application Services (EAS) and iOS UI extensions to deploy persistent Dynamic Island widgets and manage strict CI/CD pipelines, which delivered reliable TestFlight builds and Over-The-Air (OTA) updates to multiple active beta testers.

ACTIVITIES AND LEADERSHIP

LIV Golf Bedminster

Volunteer

Bedminster, New Jersey

July 2022 – August 2023

- Managed private check-in and credential scanning for major sporting events
- Resolved on-site ticketing and access issue for guests

SKILLS

Programming: Java, Python, SQL, R

Tools: Figma, VSCode, GitHub, Claude, Codex, Gemini, Cursor, Microsoft Office