

# Noman Ahmad

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## WORK EXPERIENCE

### Senior Software Engineer - Integrations

June 2025 - Present

NTT Data Inc ❖ Full-Time

Dallas, TX - Remote

- Developed enterprise level software solutions and tools for a Fortune 500 insurance company aimed at expanding the internal tools available to the many subsidiary agencies.
- Created robust pipelines to integrate backend services with frontend experiences to expand agent operations and functionality.
- Maintained CI/CD pipelines for automatic deployments and validations of code to ensure smooth code delivery.
- Technologies Used:** *Salesforce (CRM), .NET C#, JavaScript, Github Actions, AWS Cloud.*

### Software Engineer II - Full Stack

Oct 2023 – May 2025

Sunnova Energy Corporation ❖ Full-Time

Houston, TX - Remote

- Delivered high-quality web and mobile applications implementing industry best practices including responsive layouts, data fetching, state management and adherence to platform-specific design guidelines across our flagship consumer facing applications targeting **400k+ users**.
- Implemented secure payment integrations through Chase Merchant Services including Digital Wallets (Apple/Google Pay) resulting in **more than \$250K in monthly transactions** while ensuring PCI compliance.
- Spearheaded critical renewable energy integration to provide users with recommendations on reducing carbon offset, delivering a solution that was instrumental in securing a **\$3.3 billion loan from the Department of Energy**.
- Engineered robust push notification system that processed **55K+ monthly notifications** including scheduled campaigns, time-sensitive alerts, and deep linking functionality while maintaining **75% click through rate**.
- Enhanced web and mobile application security through implementation of token based authentication and secure storage solutions reducing unauthorized access attempts and achieving **zero security breaches** across more than 3 years in production.
- Deployed and managed resources in the cloud leveraging Infrastructure-as-code tools (Terraform/CloudFormation) while **efficiently managing cost and ensuring application scalability**.
- Technologies Used:** *React, React Native, Next.js, Node.js, FastAPI, TypeScript, Python, C#, AWS Cloud, Terraform, Github Actions, .NET, Salesforce, PostgreSQL, SQLite, Xcode, Android Studio.*

### Software Engineer - Full Stack

Apr 2022 – Oct 2023

Sunnova Energy Corporation ❖ Full-Time

Houston, TX - Remote

- Developed and maintained RESTful API endpoints that powered web and mobile application features, handling **1M+ daily requests** with **99.9% uptime** while implementing JWT authentication for optimal security and performance.
- Optimized mobile application performance by implementing efficient caching strategies and offline-first architecture, **reducing API calls by 43%** and improving user experience.
- Crafted process documentation and architecture breakdowns while garnering **positive business feedback** on proposed technical solutions.
- Technologies Used:** *React, React Native, Python, TypeScript, AWS Cloud, Terraform, Github Actions, Salesforce, SQLite, Xcode, Android Studio.*

### Software Engineer - iOS

Jan 2022 – Apr 2022

Potato TV ❖ Internship

Remote

- Delivered high-quality frontend features and UI components for a entertainment/multimedia based iOS application within an **early stage startup**.
- Fixed application bugs, optimized code and refactored components to **improve overall application performance** and stability.
- Technologies Used:** *Swift, SwiftUI, UIKit, Objective-C, Xcode.*

### Software Engineer - LLM Training

Sep 2024 – Present

Freelance

Remote

- Developed and optimized high-quality prompts to guide the behavior and **performance of large language models (LLMs)** across diverse use cases within coding and software development.
- Provided detailed feedback on model outputs, identifying strengths and failure cases to **improve model safety and factual accuracy**.
- Technologies Used:** *Python, JavaScript, TypeScript, React, LLMs, Prompt Engineering*

### Undergraduate Teaching Assistant - Computer Science

Dec 2019– Jun 2020

Hunter College ❖ Part-Time

New York City, NY

- Assisted 250+ students weekly** on homework, labs, projects and exams for an intermediate level software analysis and design class focusing on providing best coding and software practices.
- Technologies Used:** *Python, C/C++.*

## EDUCATION

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**CUNY Hunter College**

*Bachelor's, Computer Science - Math Minor*

**Dean's List, Cum Laude Honors; 3.53/4.0 GPA**

**Aug 2017 - May 2021**

*New York, NY*

## PROJECTS

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### Muslims App

**2023**

- Developed and released a cross-platform religious information mobile app providing features such as accurate daily prayer times according to device location, religious texts, scheduled notifications, audio player, animations as well as many customization options.
- Created platform specific features such as widgets and watch companion apps for both iOS and Android.
- Automated CI/CD pipelines to deploy the app to the Google Play Store and Apple iOS App Store in a very efficient manner.
- **Technologies Used:** *React Native, Swift, Kotlin, SwiftUI, Xcode, Expo, Android Studio, Github Actions*
- **Apple App Store:** [apps.apple.com/in/app/muslims-app/id1660397990](https://apps.apple.com/in/app/muslims-app/id1660397990)
- **Google Play Store:** [play.google.com/store/apps/details?id=com.deendev.muslimapp](https://play.google.com/store/apps/details?id=com.deendev.muslimapp)

### Movies Watch List App

**2022**

- Developed and released an iOS application that allows users to keep track of their movie watch list. Features include finding and searching for the top rated and trending movies, adding movies to a user's personal watch list, adding personal ratings and reviews for movies already watched.
- Integrated the Movies Database API to get data about movies and persisted user's watch lists and preferences to local device using Core Data.
- Leveraged responsive design to allow application to run natively on iPhone and iPads.
- **Technologies Used:** *Swift, SwiftUI, Xcode*
- **Apple App Store:** [apps.apple.com/us/app/mymovieswatchlist/id1596514834](https://apps.apple.com/us/app/mymovieswatchlist/id1596514834)

### Space Information App

**2021**

- Developed a simple iOS Application to show useful data about various celestial bodies within our solar system and beyond leveraging open source data available through NASA.
- **Technologies Used:** *Swift, SwiftUI, Xcode*
- **Apple App Store:** [apps.apple.com/us/app/myspaceapp/id1592435365](https://apps.apple.com/us/app/myspaceapp/id1592435365)

### Meditation App

**2021**

- Contributed as a developer to an iOS application for an undergraduate capstone course which aimed to allow users to create, upload and share meditation audio with other like minded meditation enthusiasts.
- Leveraged core Firebase features as a BaaS including authentication, user management, NoSQL database management, offline file persistence, as well as feature flagging through remote config.
- Created user friendly experiences and many features including following other users, commenting on uploaded meditation audio, as well as recording audio in-app and sharing with others.
- **Technologies Used:** *Swift, UIKit, Xcode, Firebase*
- **Github:** [github.com/kionkina/meditapp](https://github.com/kionkina/meditapp)

## SKILLS

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- **Front End:** TypeScript, JavaScript, Swift, React, React Native, SwiftUI, HTML, CSS, Tailwind
- **Back End:** Node.js, Express.js, FastAPI, .NET, Python, C#, TypeScript
- **Database:** PostgreSQL, MySQL, SQLite, MongoDB
- **Tools:** SQLAlchemy, TypeORM, Drizzle, Prisma, OneSignal, Sentry, New Relic, Jest, Pytest, Recoil.js, Redux.js, LLMs
- **AWS:** Lambda, API Gateway, VPC, RDS, CloudFormation, EventBridge, EC2, ECS, S3, DynamoDB
- **Deployment:** Terraform, Docker, Github Actions, Expo EAS

## CERTIFICATIONS

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### Cybersecurity

**Spring 2021**

*Codepath*

- Received upon successful completion of an advanced level cybersecurity course.
- **Topics Covered:** *Social Engineering, SQL Injection, Network and Application Security, Cryptography.*
- **Certification Link:** [drive.google.com/file/d/1mGwOzOD5Ocd9XDjV2c-87O9Uq6\\_7aObg/view](https://drive.google.com/file/d/1mGwOzOD5Ocd9XDjV2c-87O9Uq6_7aObg/view)