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[talent.toptal.com/resume/
developers/syed-mehedi-hasan-
nirob](https://talent.toptal.com/resume/developers/syed-mehedi-hasan-nirob) (Portfolio)

Top Skills

Python (Programming Language)
Large Language Models (LLM)
LangChain

Languages

English (Professional Working)
Bangla (Native or Bilingual)

Honors-Awards

9th at IUT Inter University
Programming Contest 2016
10th at SUB IUPC 2016
13th at State University of
Bangladesh Inter University
Programming Contest
Top ten at Quazi Azhar Ali Inter
University Programming Contest
20th at Shahjalal Inter University
Programming Contest

Publications

Question classification using support
vector machine with hybrid feature
extraction method

Syed Mehedi Hasan Nirob

Full-stack Software Engineer | Building AI apps | TypeScript, React,
Node.js, Python, LLM, RAG
Malaysia

Summary

Nirob is a Full-Stack AI Engineer specialized in building, testing, and shipping complete AI-driven products. He is now helping founders build their own AI apps.

He is the founding engineer of Re:tune, an AI chatbot builder. He is also a senior full-stack software engineer at Re:cruit, which drives the engineering behind some of the best Silicon Valley startups.

He was part of the core software engineering team at 3 YC-funded startups and several other projects in the last three years, built their MVP and core features. And also helped them to scale up.

Before this, he worked at AnyConnect, an IoT Video PaaS for connected smart cameras and other IoT video devices. He was also a Developer at iPay Systems Ltd, an online payment service provider and one of the rising fintech companies. He started his career as a full-time software engineer at Algomatrix where he built a content aggregator application from scratch.

Back at university, Nirob was a competitive programmer and participated in many national-level programming contests.

Experience

Toptal

Software Developer

June 2025 - Present (11 months)

My profile: <https://www.toptal.com/developers/resume/syed-mehedi-hasan-nirob>

Delivered multiple production-grade systems for global clients via Toptal, including:

- AI-powered Customer Service Platform — Built an AI chatbot enabling customers to place orders and access product pricing via WhatsApp, with seamless spreadsheet-based data integration.
- Chatbot Application for FRESH TV INC — Developed a real-time admin dashboard using the YouTube Live API to monitor live chats, trigger keyword-based responses, and allow admins or bots to send customized replies instantly.
- Time Out Matters (timeoutmatters.com) — Built a healthcare platform from the ground up, implementing authentication, an admin dashboard, AI-driven chatbots, and secure digital storage.

re:cruit

Senior Software Engineer

January 2021 - Present (5 years 4 months)

Worked as a core software engineer with YC-backed startups and early-stage products, contributing across frontend, backend, and AI-driven systems.

Key companies & products:

- Osmind (YC S20) — Refactored and modernized the psychiatric clinic portal, modularizing the frontend architecture, building a reusable component library, and migrating core systems from JavaScript to TypeScript to improve maintainability and scalability.
- Analog Digital — Joined from the early stages and implemented core product functionality, including a toolbar and configuration side panel for managing blocks and components, modal-based create/edit flows, and deep integration with the diagram handling system.
- Jetson (jetsonworkforce.com) — Built the MVP end-to-end as the sole full-stack engineer, owning system architecture, frontend, backend, and deployment.

Built and led AI-powered products using modern JavaScript frameworks:

- Thybrid (thybrid.fly.dev) — Developed a workout-generator AI chatbot, real-time community and group chat features, and cross-platform UI for both web and mobile.
- Awaken (awaken.is) — Led the engineering team and built the mobile application using Expo, playing a key role in acquiring the platform's first paying customer.

- Sierra Romeo (sierraromeo.ai) — Designed database schemas, implemented backend server functions, and developed core AI agent logic.

re:tune

Founding Engineer

January 2023 - August 2024 (1 year 8 months)

re:tune is the platform to build AI apps, from chatbots to autonomous agents. Implemented features like embedding to train chatbots with data, show responses using AI models, capture info, and improve answers with playground: both frontend and backend.

Gerald (YC W21)

Software Engineer

August 2022 - December 2022 (5 months)

I worked on their payment platform, including integrations with various FinTech services, and redesigned their mobile app.

Replio

Software Engineer

January 2021 - January 2022 (1 year 1 month)

Helped to build the MVP for Replio, which is a visual React application builder for Shopify. I joined Replio right after the founders got into YC and developed core parts of the application, including a visual editor, drag-and-drop features, and CRM integration with Shopify.

AnyConnect

Software Engineer

January 2020 - April 2020 (4 months)

iPay Systems Ltd.

Software Engineer

July 2019 - December 2019 (6 months)

AlgoMatrix

Software Engineer

July 2017 - June 2019 (2 years)

Education

Shahjalal University of Science and Technology

