

MD. SOHEL RANA

Founder • AI & SaaS Architect • Full-Stack Engineer

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SUMMARY

As a software engineer turned entrepreneur with over 19 years of experience, I specialize in building AI-driven products and scalable SaaS solutions. I lead NerdDevs Ltd, overseeing a dynamic team that implements complex software projects, ensuring quality and performance. My expertise encompasses a wide range of technologies, allowing me to solve both technical and business challenges efficiently.

EXPERIENCE

11/2014 — Present
Dhaka, Bangladesh

Founder & CEO / Solution Architect NerdDevs Ltd

Leading company specializing in AI-powered SaaS solutions and digital product development

- Lead a 20+ member engineering team delivering AI-powered SaaS, EdTech platforms, system integrations, and enterprise applications
- Define company vision, architecture strategy, and development standards
- Oversee full software lifecycle — from planning to deployment and scaling
- Architect cloud infrastructures across AWS, Azure, and GCP
- Serve as principal engineer for complex systems involving LLMs, messaging workflows, scheduling, and assessments
- Manage stakeholder communication and long-term product roadmaps

10/2020 — Present
Dhaka, Bangladesh

Country Coordinator TestReach

Facilitating communication between international teams and local operations

- Act as liaison between TestReach international teams and Bangladesh operations

10/2014 — 09/2020
Dhaka, Bangladesh

Software Architect & Team Lead TestReach

An organization providing assessment software for various clients

- Designed project architecture for large-scale assessment systems
- Defined technology stack, development strategy, and solution approaches
- Designed APIs, third-party integrations, performance optimization strategies
- Led the development of core components used by thousands of candidates
- Ensured system performance, load balancing, and uptime reliability

09/2013 — 09/2014
Stockholm, Sweden

Lead Web Developer Severalnines AB (Sweden)

A software company focusing on database and cloud solutions

- Developed UI modules for ClusterControl using Bootstrap, ExtJS, jQuery
- Built and optimized REST APIs with CakePHP
- Conducted R&D on new frameworks and performance improvements

07/2007 — 09/2012
Dhaka, Bangladesh

Sr. Software Engineer Dohatec New Media

A company providing technology solutions in Bangladesh

- Built mission-critical national solutions including e-Government Procurement and Biometric Voter ID System
- Led teams, designed databases, implemented enterprise features

EDUCATION

03/2003 — 03/2007
Rajshahi, Bangladesh

Bachelor of Engineering in Computer Science & Engineering
Rajshahi University of Engineering & Technology (RUET)

STRENGTHS

Technical Expertise

Deep technical and architectural judgment

Analytical Skills

Highly analytical, fast learner, solution-driven

Leadership Skills

Strong leadership and communication

Global Scalability

Proven ability to scale software globally

CERTIFICATION

Microsoft .NET Framework 2.0 — Web-Based Client Development

Score: 964/1000, Transcript ID: 808809

KEY ACHIEVEMENTS

Genius — AI Chat 5.0

Led the development and architecture of Genius — AI Chat 5.0, an AI-powered chat assistant that significantly enhanced user interaction

Biddaan — EdTech LMS Platform

Founded Biddaan, an EdTech LMS platform that supports various educational functionalities enhancing learning experiences

US Messaging Platform — Anonymous SMS App · client under NDA

Architected a US second-phone-number platform for anonymous texting and calling, handling over 5 million text messages monthly with seamless integration

SKILLS

Cloud & DevOps

AWS · EC2 · Lambda · VPC · CloudFront · S3 · Route53 · Docker · Jenkins · Azure · GCP · DigitalOcean

AI & Automation

OpenAI · DALL-E · GPT-4/5 · n8n

Frontend

TypeScript · React · Vue.js · Next.js · TailwindCSS · Bootstrap

Backend

Node.js · Express · Laravel · PHP · Python · Flask · Django

Databases

MongoDB · MySQL · SQL Server · Postgres · Redis

Mobile & Cross-Platform

Flutter · Electron

APIs & Integrations

Twilio · OpenAI · RevenueCat · Mailchimp · Adjust · Facebook · Google Calendar · Mandrill · Mailgun · Bandwidth

AI Tools

Lovable · Replit · Cursor · Claude · Perplexity

PROJECTS

US Messaging Platform — Anonymous SMS App · *client under NDA*

01/2021 — Present

A second-phone-number application for private, anonymous texting and calling (client name withheld by agreement)

- Handles 5 million+ text messages monthly
- Involved in system design, backend scalability, and messaging architecture

Genius — AI Chat 5.0

01/2023 — Present

Development of an AI Chat application leveraging advanced technologies

- AI-powered chat assistant with advanced prompt workflows and image analysis
- Designed the architecture and AI pipeline

Biddaan — EdTech LMS Platform

01/2025 — Present

An educational platform aiming to revolutionize online learning and management

- Multi-tenant platform supporting courses, exams, question banks, analytics, audio questions, offline enrollment, and institute management
- Served as architect and co-founder

Medical Imaging AI Platform · *client under NDA*

01/2022

A medical imaging platform utilizing AI to enhance diagnostics (client name withheld by agreement)

- Azure-based AI pipeline processing DICOM/MRI data with private endpoints, Redis, and Bicep deployments
- Lead and cloud architect

e-GP Procurement System

01/2010 — 09/2012

An automation project for government procurement processes

- Developed full procurement cycle automation for the IMED, Ministry of Planning
- Utilized Java, Spring, Hibernate frameworks

Biometric Voter ID System

07/2008 — 08/2012

A national solution for biometric voter ID systems

- Enrollment, biometric capture, voter list generation, and ID production
- Served as team lead

DreamConverter.com SaaS Platform and Mobile App

05/2011 — 01/2012

Aimed at managing tasks and goals effectively

- Web and mobile task/goal management platform with a drag-and-drop UI
- Developed as a SaaS platform using PHP and CodeIgniter
- Developed a mobile app for iOS using Objective-C

PAHO Publication Management System — Pan American Health Organization, Washington, D.C., USA

07/2007 — 01/2009

A marketing system developed to monitor sales and inventory of books published by PAHO

- Generates proforma and invoices for sales, sends them by email, prints customer address labels by criteria, and notifies customers when a new book is published

INTERESTS

Travelling · Football · Cricket