

MD. AHASAN HABIB NAHID

Full-Stack Software Engineer | SaaS & Meta API Developer | SEO,AEO,GEO Specialist

Dhaka, Bangladesh | +88 01756472523 | ahasanhnahid@gmail.com

[Portfolio: www.ahasanhnahid.xyz](http://www.ahasanhnahid.xyz) | [LinkedIn](#) | [GitHub](#) | [LeetCode](#)

PROFESSIONAL SUMMARY

Full-stack software engineer with close to two years of experience building production SaaS products, Meta and WhatsApp Business API chatbots, real-time messaging systems, and growth-focused web applications. Owns features end to end, from database schema and REST API design through frontend, testing, deployment, and iteration. Proficient in React, Next.js, TypeScript, Node.js, Express, PostgreSQL, MongoDB, Prisma, and Socket.io, with cloud deployment on DigitalOcean and Vercel. Also delivers CRM and marketing automation (n8n, Zapier, HubSpot) and technical SEO, AEO, and GEO. Published AI/ML researcher in resource-efficient deep learning for medical imaging.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, C, C++, SQL

Frontend: React.js, Next.js, Redux Toolkit, React Flow, Tailwind CSS, Framer Motion, HTML5, CSS3, Vite

Backend: Node.js, Express.js, REST API Design, Socket.io, Prisma ORM, GraphQL

Databases: PostgreSQL, MongoDB, MySQL, Supabase

APIs & Integrations: Meta / WhatsApp Business Cloud API, Zoho CRM, HubSpot, Razorpay, Google APIs, Postman, OpenAPI/Swagger

Automation & CRM: n8n, Zapier, ActiveCampaign, Go High Level, Apify, MillionVerifier

Cloud & DevOps: DigitalOcean, AWS S3, Vercel, Git, GitHub, CI/CD fundamentals

AI & Machine Learning: CNNs, Knowledge Distillation, Explainable AI (Grad-CAM), Federated Learning, TensorFlow/Keras, Scikit-learn, Flask deployment, LLM/Claude API workflows

Growth Engineering: Technical SEO, AEO, GEO, JSON-LD structured data, sitemap / robots / llms.txt

Practices & Tools: Agile/SDLC, SQA, API & regression testing, code review, documentation, ClickUp, Confluence

PROFESSIONAL EXPERIENCE

Software Engineer

January 2025 - Present

DataVro Agency | Dhaka, Bangladesh

Tech: React.js, Node.js, Express.js, MongoDB, PostgreSQL, Meta/WhatsApp Business API, Zoho CRM, Socket.io, AWS S3, DigitalOcean, Vercel

- Design, build, and ship full-stack features for client portals and SaaS products using React.js, Node.js, Express.js, and MongoDB/PostgreSQL with REST APIs.
- Build WhatsApp Business automation and chatbots on the Meta API, integrating Zoho CRM and AI-driven workflows for lead qualification and conversation routing.
- Deliver admin dashboards, real-time messaging systems, and automation pipelines deployed on DigitalOcean and Vercel.
- Implement real-time features with Socket.io and manage secure media storage and delivery via AWS S3 pre-signed URLs.
- Run Software Quality Assurance: test case design, API testing, feature validation, bug reporting, and regression testing.

Web Developer & SaaS Growth Specialist

January 2025 - Present

Biz Growth Lab Ltd | Remote (Canada)

Tech: React.js, Next.js, n8n, Zapier, HubSpot, ActiveCampaign, Go High Level

- Build responsive marketing web applications, landing pages, and internal reporting dashboards with React.js and Next.js.

- Run technical SEO, AEO, and GEO audits to improve SaaS visibility across search engines and AI-driven discovery.
- Implement CRM and marketing automation across n8n, Zapier, ActiveCampaign, HubSpot, and Go High Level to power lead funnels and outbound campaigns.
- Connect product engineering with growth strategy through reporting dashboards, campaign workflows, and measurable outcomes.
- Collaborate with a remote Agile team across international time zones to deliver iterative releases.

SELECTED PROJECTS

RPL Automation Platform - Internal WhatsApp Operations Hub, RPL.it Australia

Tech: React 19, TypeScript, Vite, Tailwind CSS, Node.js, Express 5, PostgreSQL, Prisma, Socket.io, Meta API, Zoho CRM

- Built a unified team inbox that routes WhatsApp conversations to sales, support, and billing in real time through the Meta WhatsApp Cloud API and Socket.io, without exposing Meta credentials.
- Implemented conversation workflows (assign, claim, snooze, resolve, priority) with auto-unsnooze on customer reply and enforcement of the WhatsApp 24-hour reply window.
- Added role-based access control across five roles with team-scoped data, plus WhatsApp VoIP calling with call recordings, activity timelines, and audit logs.

[Case Study](#)

ZiloChat - WhatsApp Business SaaS Platform, zilochat.io

Tech: React 18, TypeScript, Vite, Tailwind CSS, React Flow, Node.js, Express, PostgreSQL, Prisma, Socket.io, Meta API, Razorpay

- Built a multi-tenant SaaS that lets businesses connect WhatsApp Business accounts and automate messaging through a no-code visual chatbot builder powered by React Flow.
- Delivered a shared team inbox, template-based broadcast campaigns with analytics, contact CRM, and keyword and round-robin routing.
- Integrated HubSpot, Google Drive, and custom webhooks, with subscription and usage-based messaging billing through Razorpay.

[Case Study](#) | [Live](#)

MediaZilla Dance Schools - Growth Platform with SEO / AEO / GEO, mediazilla.com/dance

Tech: React, TypeScript, Vite, Tailwind CSS, Framer Motion, TanStack Router, JSON-LD

- Built conversion-focused marketing pages (solution, features, pricing, FAQ, comparison, blog) for the dance-school vertical in React, TypeScript, and Vite.
- Engineered a central route registry that auto-generates sitemap.xml, robots.txt, and llms.txt, keeping crawler files in sync and allowing major search and AI crawlers (GPTBot, Claude-Web, Google-Extended).
- Implemented JSON-LD structured data (Organization, Product, FAQPage, HowTo, Review) and answer-ready FAQ copy to support featured snippets, AEO, and GEO.

[Case Study](#) | [Live](#)

Qila Capital - Investor Marketing Site, qilacapital.com

Tech: React, Next.js, TypeScript, Tailwind CSS, Framer Motion, SEO

- Built investor-facing marketing UI and conversion flows for a hospitality private equity firm offering Marriott and IHG hotel funds to accredited investors.
- Developed fund pages, portfolio cards, investment-tier breakdowns, investor personas, and an accordion FAQ with SEC 506(c) Reg D compliance content.

[Case Study](#) | [Live](#)

DataVro Agency Website - Automation Software Marketing Site, datavro.org

Tech: React, Next.js, TypeScript, Tailwind CSS, Framer Motion, Node.js, GraphQL, PostgreSQL

- Built marketing site UI and feature sections including an interactive automation workflow diagram, an animated tech-stack showcase, a global reach map, and services and process timelines.

[Case Study](#) | [Live](#)

Eventbrite Lead Automation - Three-Stage n8n Outbound Pipeline

Tech: n8n, Apify, Claude API, Google Sheets, Gmail, MillionVerifier, JavaScript

- Built a three-stage lead-generation system: scheduled Apify scraping of Eventbrite events, Claude qualification with a structured schema parser, and AI enrichment with email verification via MillionVerifier.
- Automated Gmail outreach with deduplication, daily send caps, and wait delays, using Google Sheets as the cross-workflow state layer with no manual handoffs.

[Case Study](#)

NanoCNN - Resource-Efficient Leukemia Detection (Research)

Tech: Python, TensorFlow/Keras, Knowledge Distillation, Explainable AI (Grad-CAM), Flask, Tailwind CSS

- Designed a lightweight CNN using knowledge distillation to reach near state-of-the-art leukemia image classification at a fraction of the computational cost.
- Applied Grad-CAM to generate heatmaps highlighting malignant cell regions and deployed the model as a Flask web app for real-time inference.

[Live Demo](#)

PCOSLite - Privacy-Preserving CNN for PCOS Detection (Research)

Tech: Python, TensorFlow/Keras, Federated Learning, Attention Mechanisms, Flask

- Built a lightweight attention-based CNN for PCOS detection from ultrasound images and implemented federated learning for privacy-preserving training across distributed data without sharing raw patient records.

RESEARCH & PUBLICATIONS

Journal Article (Under Review)

Tasnim Jahin Mowla, **Md. Ahasan Habib Nahid**, Abu Zafar Mohammad Siam, Abu Bakar Siddique Mahi, Durjoy Mistry, Shah Murtaza Rashid Al Masud. *“Resource-Efficient Approach for Leukemia Detection and Classification Using Knowledge Distillation with Explainability and Web Application.”* Computer Methods and Programs in Biomedicine (Elsevier). Status: Under Review.

Journal Metrics: Impact Factor 4.8 | CiteScore 11.1 | Scopus Q1 | SJR Q1

Research Areas: Medical Image Classification, Convolutional Neural Networks, Knowledge Distillation, Federated Learning, Explainable AI, Efficient Deep Learning Deployment.

EDUCATION

Bachelor of Science in Computer Science and Engineering

July 2021 - June 2025

University of Asia Pacific (UAP), Dhaka, Bangladesh

CGPA: 3.91 / 4.00

Relevant Coursework: Software Engineering, Algorithms, Database Systems, Artificial Intelligence, Machine Learning, Computer Networks.

Awards: Dean's Honor Award (x3) and Vice Chancellor's Award (x5) for outstanding academic performance.

CERTIFICATIONS

Full Stack Web Development, Interactive Cares

February 2024

HTML, CSS, Tailwind CSS, React, Redux Toolkit, Next.js, MongoDB, Python, Django

Data Analyst with SQL and Python, Farhan's Academy

January 2025

SQL and Python for data wrangling, analysis, and visualization

LEADERSHIP & ACTIVITIES

Vice President, Research & Publication Unit, CSE Club (UAP)

2024 - 2025

- Led research initiatives, mentored peers on research methodology and academic publishing, and co-organized the 1st Intra-University Research Expo 2025 with 100+ participants.

Host & Event Coordinator, 1st Intra-University Research Expo 2025

2025

- Managed full event logistics and engaged faculty, students, and external participants on behalf of the university club.

Tech Team Volunteer, ICPC World Finals 2022

2022

- Supported technical operations and event coordination at the global competitive programming competition.

REFERENCES

Inzamam UI Haque

CEO, Biz Growth Lab | Saskatoon, Canada | Phone: 01880678097 | Email: inzamam@bizgrowthlab.io

Relation: Current Employer / Supervisor

Nadia Tabassum

Senior Software Engineer, DataVro | Mirpur DOHS, Dhaka | Phone: 01752-015791 | Email:

nadiatabu.94@gmail.com

Relation: Current Employer / Supervisor