Shihab Sikder

SOFTWARE ENGINEER · TECH LEAD

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Founding-engineer profile with 4+ years shipping production systems end to end. Built Everstar's AI document pipeline over 3M+ regulatory documents largely solo (Airflow, OCR, LLM correction, vector search, FastAPI). Tech lead at BinduLogic, where hospital software I architected runs in 15+ government hospitals serving 15,000 patient visits a day. Ship my own products on the side, including a disposable email SaaS with 50K+ users.

EXPERIENCE

BinduLogic

Aug 2022 - Present · Dhaka

Tech Lead (Sep 2024 - Present) · Software Engineer II (Aug 2022 - Aug 2024)

- Lead architecture and delivery of hospital management software running in 15+ public hospitals (DMCH, CMCH, NIDCH, NICRH, KGH)
- Platform serves ~15,000 patient visits/day at Dhaka Medical College alone; own payments, auth/RBAC, and government health integrations (OpenMRS, HL7, Health-ID)
- Built end-to-end TypeScript (React, Node.js/Express, RTK, PostgreSQL) for registration, e-ticketing and reporting modules
- Resolved a production race condition causing 30,000+ constraint failures across 10+ hospital tenants via Datadog; hotfix live in all hospitals within two hours
- Run production across cloud, hybrid and on-prem deployments; containerized services and security-tested against IDOR, auth bypass and injection

TypeScript · React · Node.js · PostgreSQL · Docker · Datadog · Hybrid Cloud / On-Prem · OpenMRS · HL7 · Security Testing (IDOR)

Everstar

Apr 2024 - July 2026 · Remote

Founding Software Engineer

- Founding engineer; built document intelligence pipeline over 3M+ NRC regulatory documents (~6.7TB) largely solo
- Designed Airflow ingestion with OCR, LLM-based correction with deterministic validation, and multimodal embeddings into OpenSearch vector search
- Built FastAPI backend and agentic chat delivering grounded, source-attributed answers with near-zero hallucination; GraphRAG over a vector DB plus a custom LLM router to cut response cost
- Drove GCP to Azure migration with Terraform and Kubernetes; separate key management for Dev, Staging and Prod Airflow

Python · FastAPI · Airflow · Message Queues · Document Ingestion · Multimodal Embeddings · GraphRAG · OpenSearch · LLM Routing · Terraform · Kubernetes · GCP · Azure

MapLarge

Feb 2023 - Sep 2023 · Remote

TypeScript / JavaScript Developer

- Built GIS web apps in TypeScript for large-scale real-time geospatial mapping; developed APIs and satellite image processing pipelines in C# and OpenCV

TypeScript · C# · OpenCV · Image Processing · API Development · GIS

PROJECTS

Temp-Mail DISPOSABLE EMAIL SAAS, WEB + ANDROID — temp-mail.lol

50K+ users across web and Android; 50K+ Play downloads, 4.6★ (400+ reviews). Self-hosted SMTP with real-time inbox delivery over WebSockets. FastAPI, Next.js, Kotlin, MongoDB, Docker, Ansible, Custom SMTP Server

SensorCast SENSOR STREAMING, ANDROID + WEB + MCP — sensorcast.app

Streams 40+ phone sensors at 1-200 Hz to ESP32, RPi, Arduino and web dashboards; built-in MCP server gives LLM agents real-time awareness of physical surroundings. Kotlin, Node.js, Next.js, WebSockets, MCP

AlterLink URL SHORTENER WITH LINK-LEVEL CONTROL — alterlink.app

Sub-50ms redirects via Cloudflare edge and Redis, wildcard DNS for branded domains, link-level paywalls (Stripe), geo-blocking, REST API with HMAC-signed webhooks. Next.js, Redis, CloudFront, Cloudflare Edge Routing

Algosketch DSA VISUALIZER, DESKTOP — github.com/zedrex/algosketch

Visualizes 5 sorting and 3 pathfinding algorithms on a reactive UI engine written from scratch. C++, SFML, CMake

SKILLS

LANGUAGES

TypeScript/JavaScript · Python · Kotlin · C# · C/C++

BACKEND & DATA

Node.js (Express) · FastAPI · PostgreSQL · Prisma · OpenSearch · MongoDB · Redis

DEVOPS & CLOUD

Terraform (IaC, modules, state, workspaces) · Docker · AWS · GCP · Apache Airflow · Datadog · Ansible · Cloudflare

SPECIALIZED

RAG/GraphRAG · AI-agentic development (Claude Code, MCP) · Computer Vision · GIS

EDUCATION

B.Sc. Computer Science & Engineering

Islamic University of Technology (IUT), Gazipur

Jan 2019 - May 2023

CERTIFICATIONS

HashiCorp Certified: Terraform Associate (004)

Nov 2026 · HashiCorp

ACHIEVEMENTS

1st, University Cyber Drill

2022 · National, BGD e-GOV CIRT

5th, KnightCTF

2022 · International

FREELANCE

Upwork, Top Rated

100% JSS, 17+ jobs · 2020 - 2023

Fiverr, Level 2 Seller

2019 - 2020