

Mohammed Sazid Al Rashid

📍 Dhaka, Bangladesh 🌐 sazid.github.io in [sazidz](#) 🐙 [sazid](#)

Professional Summary

Systems-oriented Technical Lead with 8+ years of experience building high-performance platforms, agentic AI systems, scalable infrastructure, and ground-up systems/developer tools in Python, Go, and Rust. Architected ZeuZ's AI-powered codebase analyzer and agentic development workflows, and now leading ZeuZ Test Studio — an agentic testing platform — alongside the platform's move to full self-serve SaaS. Cut operations cost by reducing system CPU usage by 93% and enabled 4000+ daily test deployments per client. Strong focus on reliability, security, and deep systems engineering.

Technical Proficiencies

Core Technologies: Python, Go, Rust, TypeScript, SQL, Java, React, Django, Node.js/Express, Docker, PostgreSQL, Redis

Cloud & Infrastructure: AWS (EC2, S3), S3-compatible Object Storage, Google Cloud (BigQuery), Nginx, CI/CD, GitHub Actions, Ansible/Bash, GraphQL, WebSocket

AI & Agentic Systems: LLM Orchestration, OpenAI, Claude Agent SDK, OpenAI Codex SDK, OpenCode, Agentic Code Review, Agentic CLI Tooling, Human-in-the-loop Automation, LangChain

Experience

Technical Lead, Automation Solutionz – Remote, Canada Mar 2023 – present

- Cut down costs by engineering a [scalable test deployment architecture](#), achieving 93% CPU reduction and 4000+ daily deployments per client through Redis-based distributed queuing.
- Architected and launched ZeuZ's AI-powered Codebase Analyzer microservice that turns repository analysis and artifact scanning into automated, human-reviewed implementation, orchestrating multiple LLM back-ends (Claude Agent SDK, OpenAI Codex SDK, OpenCode) behind a single service.
- Leading ZeuZ Test Studio, a ground-up agentic testing platform — carried it from ideation through architecture to a complete interactive prototype — while helping drive ZeuZ's shift to full self-serve SaaS with public signup.
- Built agentic development workflows with worktree isolation, human-in-the-loop feedback, diff/commit review, PR creation, and persona-based AI review, then productionized them with Docker/GHCR CI builds, SQL migrations, structured logging, and OpenTelemetry tracing.
- Spearheading the idea, planning, and team-led development of an S3-compatible object storage migration away from single-host disk storage, guiding the move toward shared uploads and preparing ZeuZ for horizontal scaling and multi-machine deployments.
- Implemented secure authentication system using PASETO tokens, fixing 33 vulnerabilities with 10x-30x performance improvement.

Software Engineer, Automation Solutionz – Remote, Canada Sept 2020 – Mar 2023

- Transformed monolithic system into microservices architecture and reduced deployment times by 75% (from 2-4h installs/upgrades to 10m) through Docker containerization and parallel deployment strategies.
- Engineered real-time performance monitoring using BigQuery and Looker Studio for major telecom client. [Dashboard sample without identity](#).
- Implemented platform's first authentication layer and real-time log streaming system using Rust/WebSocket.

Jr. Software Engineer (part time), Automation Solutionz – Remote, Canada

Jan 2017 – Sept 2020

- Reduced frontend load size by 78% and cut report/log processing time by 90% (from 8 hours to 45 minutes) for 500+ test cases through resource optimization and batch processing.
- Upgraded [Django from 1.8.2 to 3.1](#), resolving 100+ vulnerabilities in one day.

Projects

Ninetynine Systems (Rust, Kotlin, TypeScript, React Native)

ninetynine.systems

- Building a four-product indie suite near-solo with AI agents doing most of the implementation — including Orvia, an AI-native Android launcher with durable multi-turn agent runs, tool-use consent, multi-provider LLM routing, and append-only event-log storage.
- Built Gatekeeper, a human-approval gateway for AI agents — Rust REST API and CLI, tamper-evident hash-chained ledger, durable outbox with webhooks/SSE/email, React approval inbox, and Expo mobile companion.
- Built Billhead, a mobile-first invoicing SaaS (TypeScript monorepo, separate product/admin control planes, Stripe, API-enforced entitlements), and Planner, a local-first cross-platform weekly planner.

BitCode (Go, LLM Providers, Agent Tools, Terminal UI)

[github/bitcode](https://github.com/bitcode)

- Built a Go agentic coding CLI similar to Codex/Claude Code — TUI and single-shot modes, multi-provider LLM backends, file/shell/web tools, subagents, resumable conversations, context compaction, and LLM-backed tool guards.

Redis-compatible Server (Rust, mio, RESP, AOF)

[github/redis](https://github.com/redis)

- Built a Redis-compatible server from scratch in Rust — single-threaded mio event loop, RESP2 parser/encoder, command pipelining, lazy/active TTL expiry, memory accounting, AOF append/replay, and maxmemory eviction policies including Sieve.

Lorust (Rust, Tokio, RustPython, TOML)

[github/lorust](https://github.com/lorust)

- Built a Rust/Tokio HTTP load tester with rate/duration modes, TOML/RustPython flows, latency/error thresholds, structured metrics, and distributed worker/supervisor groundwork.

AIUBian (Java, Kotlin, Jsoup, Android SDK)

[github/aiub-app](https://github.com/aiub-app)

- Shipped an Android app for the AIUB student portal (notices, portal notifications, academic calendars) to 1k+ installs with a consistent user base.

Open Source Contributions

- [actix/actix-web: #1920 Add WsResponseBuilder to build web socket session response](#)
- [rust-lang/rustlings: #572 Add "collections" exercises](#)
- [cerbos/cerbos: #2429 Update outdated docs](#)

Education

American International University Bangladesh, BSc in Computer Science and Software Engineering

2017 – 2021

- CGPA: 3.9/4.0 ([Certificate](#), [Scholarship](#))