

Munim Zafar

Founding Software Engineer

Pakistan | [LinkedIn](#) | [GitHub](#)

Founding engineer at a16z-backed fintech startup who built payment infrastructure processing \$150M+ and led a zero-downtime migration from Firebase to PostgreSQL for 1,800+ customers.

EXPERIENCE

Founding Software Engineer

Jul 2023 — Oct 2025

Mazlo

San Francisco Bay Area (Remote)

Owned the payment engine processing \$150M+ across ACH, wire, check, and card rails for 1,800+ customers with zero payment discrepancies. Led a ten-month migration from Firebase to Python/PostgreSQL with zero downtime, normalizing legacy NoSQL into relational schemas. Built financial controls that passed SOC 2 audits and eliminated 100% of overdraft incidents through a virtual account ledger with real-time balance validation.

Frontend Developer

Dec 2022 — Apr 2023

Rumba

Remote

Built a generative AI workspace in React/TypeScript that cut campaign setup time by 50% with streaming LLM responses and live previews across Instagram, TikTok, LinkedIn, and X. Engineered a visual scheduler with virtualized drag-and-drop calendar and multi-platform rate limiting that enabled 50,000+ monthly publishes while reducing page load times by 60%. Shipped an analytics dashboard and collaborative approval workflow that boosted user retention by 30%.

EDUCATION

National University of Sciences and Technology (SEecs)

Sep 2020 — Jun 2024

Bachelor's in Computer Science

CGPA: 3.78 / 4.0

National University of Sciences and Technology (NUST)

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Bachelor of Science - BS in Computer Science

PROJECTS

AI browser agent for DOM navigation, Mowser

Built an AI browser agent that serializes live DOM state into structured schemas for LLM navigation. Architected a resilient Python/PostgreSQL control plane to orchestrate async agent loops with automatic state recovery.

Autonomous coding agent, AlphaCode

Built an autonomous coding agent on Claude Sonnet that reads, edits, and executes code through a fault-tolerant tool loop. Implemented the Agent Skills spec for local shell operations.

Real-time collaborative editor, Kite

Built a real-time collaborative editor using CRDTs for conflict-free concurrent editing. Supports 100+ simultaneous connections per room with sub-50ms sync latency.

Distributed task queue, FluxQ

Designed a distributed task queue with at-least-once delivery, dead-letter routing, and priority scheduling. Benchmarked at 10,000+ jobs/sec on a single node.

SKILLS

English · Engineering · P&L Management · Programming Languages · DOM Scripting · Customer Retention · Budgeting & Forecasting · ACH Payments · Async · Financial Controlling · Socket.io · Data Migration · Software Factories · Cloud Infrastructure · Computer Science · Express.js · Front-End Development · TypeScript · Software Development · Time Management · Web Development · Python · FastAPI · PostgreSQL · Firebase · Prisma ORM · gRPC · Svelte · KiteDesk · Node.js · JavaScript · Google Cloud Platform (GCP) · Flutter · Docker · MongoDB · Git · Blockchain · React Native · Jest · Smart Contracts · HTML5 · Generative AI · Problem Solving · Communication · TypeORM · Cascading Style Sheets (CSS) · Apollo GraphQL · Go · Dart · SQL · HTML/CSS · Redis · GCP Pub/Sub · React · Next.js · Tailwind CSS · GCP · AWS · Terraform · CI/CD · GitHub Actions · Cloud Scheduler · Payment Processing · Financial Systems · SOC 2 · Compliance · WebSockets · CRDTs · Distributed Systems · LLM Integration