

KARTIK KUMAR

Senior Backend Engineer

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Software engineer building backend systems, mobile applications, and open-source infrastructure. Creator and maintainer of HyperExpress, a Node.js HTTP/WebSocket framework.

CORE SKILLS:

Backend: Node.js, MySQL / MariaDB, Redis / Lua, HTTP / WebSockets

Systems: Linux, worker threads, process orchestration, CPU / memory profiling, native add-ons

Mobile: React Native / Expo, Objective-C / Java native modules, APNS / FCM

EXPERIENCE:

Founder & Principal Software Engineer - AXSYS LLC

November 2020-present

- Founded AXSYS LLC and owned product development end-to-end as its sole developer and technical lead, from implementation and launch through ongoing operation.

Zyrable

- Built Zyrable's ingestion, processing, and fanout pipeline, with WebSocket streaming and inter-service communication.
- Used queueing, backpressure, rate limits, and isolated CPU- and memory-heavy work to manage bursty workloads.

Resellify

- Implemented notification routing with in-memory dispatch, Redis caching, and direct delivery to APNS and FCM.

Supply - Co-Founder / Developer

- Joined Supply as a commissioned developer and later became a co-founder.
- Built Supply's React Native application for sneaker news, release information, and real-time alerts.

defye - Freelance Software Developer

April 2018-October 2021

- Delivered production websites and operational dashboards through defye, covering frontend, backend, integrations, and deployment.

OPEN SOURCE:

HyperExpress

- HyperExpress combines an Express-like JavaScript API with uWebSockets.js for HTTP and WebSocket services. It includes routing, middleware, server-sent events, multipart uploads, and TLS host support. Compatibility with Express middleware is partial.
- The project documents separate runtime, TypeScript, and load-test commands. Its load gate covers HTTP, multipart handling, aborts, WebSockets, and memory stress.

2K+ GitHub stars; 5K+ npm downloads in the week of September 10-16, 2026. GitHub snapshot: September 18, 2026.

EDUCATION:

B.S. Computer Science - CUNY College of Staten Island, September 2021-December 2023.

Co-created SchoolCrypt with Anthony Squillaciotti and David Remyes, the 2018 Congressional App Challenge winner for New York's 11th District.