Tushar Gour

+91 91097 61202 tushargour004@gmail.com linkedin/tushar-gour github/tushar-gour

Education

Shri Vaishnav Vidyapeeth Vishwavidyalaya **2022 – 2026**
B.Tech - Computer Science Engineering - 8.5 CGPA *Indore (M.P.), India*

Experience

Royal IT Service **Sept 2025 – Sep 2026**
Software Development Engineer (SDE) *On-Site, Indore (M.P.), India*

- Led end-to-end delivery of **7+ enterprise platforms** including **ERP**, **inventory**, **CRM**, **CMS**, **booking**, and **device management**, owning **system design**, **REST API** design, **cloud deployment** across 10+ client projects.
- Engineered modular **Node.js/TypeScript** backends with **microservices** design, secure **REST APIs**, **JWT**-based auth, **RBAC**, **multi-tenant** access controls, and integrations for **payment gateway**, **subscriptions**, **WebSockets**, and **notifications**.
- Designed **PostgreSQL** schemas, migrations, and transactional workflows; integrated **MongoDB** and **Redis** for caching and session management; deployed on **AWS** (S3, RDS, EC2) with **Docker** and **GitHub Actions** CI/CD pipelines.
- Built cross-platform **Flutter** mobile apps, **React** web interfaces, and **Kotlin**-based **Android MDM** features; strengthened reliability via **automated testing**, **load testing**, **structured logging**, and **health checks**.

SPResearchvia **June 2025 – Oct 2025**
Mobile Application Engineer *Freelance, Remote*

- Built and shipped cross-platform **Flutter** apps (Android and iOS) for a **financial research platform** with **payment gateway** integration, **KYC** workflows, and **subscription management**; published on **Google Play Store** and **Apple App Store**.
- Designed **REST APIs** and **admin systems** for user operations, report management, and subscription tracking to support secure onboarding and monetization.

Projects

API Ammeter | *TypeScript, Node.js, React, VS Code API, Worker Threads, Vitest* | VS Code Marketplace

- Architected a **security-first VS Code API workspace** with isolated **extension-host**, React webview, and **worker thread** boundaries for secure networking, **load-test** execution, and **multi-format report exports** (JSON, CSV, HTML, PDF).
- Secured credentials via **SecretStorage**, validated **IPC contracts**, implemented **Postman**/cURL imports, multi-scheme **auth**, live metrics, sandboxed previews, and **222 tests** covering security, concurrency, and reporting.

LanBox | *TypeScript, Node.js, Fastify, PostgreSQL, SMTP, SSE, Docker* | npm

- Engineered **local email-testing infrastructure** with **SMTP ingestion**, **Fastify REST APIs**, **PostgreSQL** persistence, and **SSE** delivery; designed **race-safe OTP and magic-link** waits with **isolated sessions** for flake-free concurrent CI tests.
- Achieved **650+ installs**; shipped **typed SDK** (@lanbox/client), **CLI** (@lanbox/cli), **Docker** delivery, **CI pipelines**, and **47 automated test files** with checksummed migrations and structured logging.

Streamly | *TypeScript, Node.js, PostgreSQL, Prisma, Redis, BullMQ, Docker, AWS* | GitHub

- Designed layered **Node.js REST APIs** for videos, comments, likes, playlists, subscriptions, search, and channels with **JWT refresh rotation**, MFA, **RBAC**, and ownership-based authorization policies.
- Integrated **Amazon S3**, **FFmpeg** processing, **BullMQ** background workers, **Redis** caching, and **HTTP Range streaming**; containerized with **Docker** and deployed on **AWS** via Nginx.

Technical Skills

Languages: TypeScript, JavaScript, Dart, C/C++, Java, Kotlin
Frameworks: Node.js, Express.js, Fastify, React.js, Flutter
System Design: REST APIs, Multi-Tenant Architecture, RBAC, Microservices, Distributed Systems, Real-Time Systems
Cloud & Infrastructure: AWS (S3, RDS, EC2), GCP, Docker, Nginx, Linux, GitHub Actions, CI/CD
Databases & Messaging: PostgreSQL, MongoDB, MySQL, Redis, Firebase, Prisma, BullMQ

Achievements & Leadership

- Secured **Global Rank 8485** among **146,900+ participants** in **TCS CodeVita Season 13**, one of the world's largest competitive programming contests.
- Solved **300+ algorithmic problems** on **LeetCode**, earned **Gold** badges in Problem Solving and C++, and a **Silver** badge in C on **HackerRank**.
- Ranked **4th** at **FlutterFlow Hackathon 2025** and reached **Finals** in **LevelSupermind Hackathon 2025**, both national-level Hackathons.
- Developed **RigRush Studio**, an open-source developer plugin adopted by **191,000+ developers worldwide** on the Roblox Creator Marketplace.
- App Development Lead at **GDG on Campus**; Core Team Member of **E-Cell / EDC**.