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Mahesh Ghamand

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EDUCATION

YASHWANTRAO CHAVAN OPEN UNIVERSITY
Bachelor of Commerce
2016-19 | Beed, Maharashtra

SKILLS

PROFICIENT
• TypeScript • Node.js • Go • Next.js • TailwindCSS • React • Git • Docker

FAMILIAR
• AWS S3 / R2 • PostgreSQL • MySQL • SQLite / libSQL • tRPC • Linux & Bash • Redis • SeaweedFS • Prisma

LINKS

Github:// **youngmahesh**
LinkedIn:// **in/youngmahesh**
DEV:// **youngmahesh**

HOBBIES

- Reading Self-help and Investment Books
- Cycling
- Watching Financial Documentaries

COURSEWORK

CODING NINJAS
Data Structures and Algorithms in Python

CODING BLOCKS
Interview Questions Certificate

PROJECTS

S3-SPLIT (Github | Live)

Tech-Stack: TypeScript, Node.js, AWS SDK v3, SigV4, PostgreSQL, Docker, AES-256-GCM

- Multi-tenant storage proxy partitioning physical S3 buckets into virtual prefixes with strictly enforced byte-accurate quotas and zero over-allocation leaks.
- Drop-in SigV4 HMAC compliance supporting official AWS SDK v3 clients with zero application rewrites; maintains sub-millisecond PostgreSQL object registry.
- Engineered via Specification-Driven Agentic workflows: validated invariants and quota locks using automated integration test suites and concurrent stress testing.

REPO BACKUPS (Github | Live)

Tech-Stack: TypeScript, Node.js, Git CLI & .bundle, AWS S3, KMS / SSE-S3, PostgreSQL

- Automated disaster recovery streaming complete repository commit graphs into native, verifiable Git bundles (.bundle) rather than flat tarballs or zip archives.
- Scoped read-only GitHub OAuth permissions (contents:read); streams verified bundle packfiles directly to AES-256 KMS encrypted private S3 storage.
- 1-command offline native disaster recovery via 'git clone <bundle-file>'; automated rolling retention pruning safely controls storage growth.

SQL BACKUPS (Github | Live)

Tech-Stack: TypeScript, Node.js, PostgreSQL, MySQL, SQLite / libSQL, SeaweedFS, Gzip

- Memory-bounded database backup pipeline streaming batched cursor records directly through in-process Gzip compression to S3 with zero local disk overhead.
- Dedicated dialect exporters for PostgreSQL (DDL, constraints), MySQL, and SQLite / libSQL; generates companion .manifest.json sidecars for instant inspection.
- Timezone-aware automated cron scheduler with retention pruning and AES-256-GCM credential encryption at rest.