

AMAN SINGH

Software Developer — Go — PHP — Python — JavaScript — MySQL — Redis — Distributed Systems
amans27203@gmail.com | +91-8454828137 | linkedin.com/in/linkmeaman

PROFESSIONAL SUMMARY

Software Developer with 2+ years building scalable services serving 35,000+ users. Expertise in Go, PHP, Python, MySQL, and Redis with proven success reducing system latency by 65% and automating workflows saving 80% manual effort. Specialized in REST APIs, database optimization, and distributed systems maintaining 99.9% uptime.

PROFESSIONAL EXPERIENCE

Software Developer <i>TickleRight Eduventures (SaaS Ed-Tech Platform)</i>	Apr 2023 – Present Mumbai, India (Remote)
<ul style="list-style-type: none">Architected subscription management microservice in Go serving 35,000+ users; automated renewal workflows reducing manual effort by 80% and increasing retention by 12%Implemented Redis cache-aside pattern achieving 65% latency reduction (330ms to 115ms p95) for high-traffic queries serving 35,000+ concurrent usersIntegrated Google Calendar API handling 500+ weekly schedules; eliminated 30 hours monthly coordination overheadOptimized MySQL database (500GB+) through query refactoring and indexing; reduced query time by 40% while handling 2M+ daily API requestsBuilt FastAPI real-time chat platform with Meta Business APIs and WebSockets; eliminated \$800+ monthly SaaS costsDeveloped automated agent distribution system improving response time by 45% across multiple channelsCreated inquiry management system accelerating client onboarding by 30% through automated workflowsMaintained 99.9% uptime across distributed microservices while managing deployments and incident resolution	

KEY TECHNICAL PROJECTS

Meta Chat Integration Platform – FastAPI, React.js, Meta API, MySQL, WebSockets	2024
<ul style="list-style-type: none">Built full-stack application integrating Facebook and Instagram messaging; replaced third-party tools saving \$800+ monthlyImplemented webhooks and WebSocket server for real-time message sync handling 10,000+ daily messagesDesigned RESTful backend with JWT authentication, rate limiting, and automated agent routing reducing wait time by 40%	
Calendar Event Automation Tool – Go, Google Calendar API, REST	2023
<ul style="list-style-type: none">Engineered CLI and REST service automating recurring events; deployed to 20+ users saving 5+ hours weekly each	
TRATOM – Distributed A/V Recording System – Python, Django, FFmpeg, REST API	2022
<ul style="list-style-type: none">Refactored monolithic app into Django microservices; enabled concurrent recording across 50 classrooms with 25% CPU reduction	

TECHNICAL SKILLS

Languages: Go, PHP, Python, JavaScript, SQL

Frameworks: FastAPI, Django, REST APIs, Microservices

Databases: MySQL, Redis, Query Optimization, Indexing

Tools: Docker, Linux, Git, Postman, WebSockets, OAuth 2.0, JWT

Practices: System Design, Performance Optimization, Code Review

EDUCATION

Bachelor of Science in Information Technology

2020 – 2023

University of Mumbai

Mumbai, India

CGPA: 8.4/10 (Distinction, Top 15%)

Relevant Coursework: Distributed Systems, DBMS, Data Structures & Algorithms

CERTIFICATIONS & ACHIEVEMENTS

Oracle Cloud Infrastructure 2025 Certified Generative AI Professional

2025

Performance Achievement: Reduced system response time by 65% (330ms to 115ms) serving 35,000+ users through Redis caching and query optimization