

Tanmay Thakur

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Professional Summary

Software Engineer with 3+ years of experience building enterprise applications across **Flutter, .NET, Laravel, PHP, PostgreSQL, MySQL, Firebase and AWS**. Experienced in full-stack development, UI engineering, REST API development, database optimization, cloud automation, authentication, analytics and AI integrations. Worked on production applications used by **13,000+ employees**, with measurable impact including **10–20% reduction in processing TAT** and automation of recurring operational workflows.

Skills

- **Languages:** PHP, JavaScript, Dart, Python, C#, Go
- **Frontend:** Flutter, Flutter Web, React.js, Angular, Riverpod, HTML5, CSS3
- **Backend:** Core PHP, Laravel, .NET 8, REST APIs, gRPC, ORM
- **Databases:** PostgreSQL, MySQL, Redis, Firestore, Firebase Realtime Database, Hive, SQL
- **Cloud & DevOps:** AWS (EC2, ECS, EKS, Lambda, S3, Step Functions, CloudWatch), Docker, Jenkins, Kubernetes, CI/CD, YAML
- **Methodologies:** Agile, SCRUM
- **AI & Integrations:** Google Gemini API, LLM Integration, Firebase, Grafana, Dynatrace, CleverTap, MS AAD, Google Maps API
- **Architecture:** Clean Architecture, Repository Pattern, MVC, Dependency Injection
- **Tools:** Git, Postman, GitHub Copilot, Figma

Experience

ICICI Lombard GIC. LTD. Mumbai, Maharashtra, India / Bengaluru, Karnataka, India
Associate Software Engineer July 2023 – Present

ILOneForce — Field Force Management Platform

- Owned end-to-end **Flutter UI development for the Attendance module**, used by **13,000+ employees**.
- Developed **Lead Management, Calling, Gamification and Contest** workflows using Flutter, including UI development and database-related optimizations.
- Optimized lead data access by eliminating unnecessary joins and redundant data fetching.
- Designed a **ranking-based gamification system** and developed leaderboard interfaces using modern glassmorphism-based UI patterns.
- Built a **.NET AWS Lambda workflow** integrating PostgreSQL and Dynatrace APIs to process application usage, generate reports and automate email delivery through SMTP.
- Integrated **CleverTap** for notifications and broadcasts and **Firebase Analytics** for application usage tracking.
- Built a **real-time chat application end-to-end** using Flutter, .NET, Firestore and Firebase Storage, including database design and Firebase custom-token authentication.
- Contributed to database design and UI development for a **Contest module delivered end-to-end within 2 weeks**.

ILConnect — AI-Powered Online Reputation Management Platform

- Contributed to **PostgreSQL database design** and application architecture for an online reputation management platform.
- Developed **.NET APIs integrated with Google Gemini** for news sentiment analysis and AI-generated feedback.
- Built the manual **ticket creation workflow**, forming the foundation for future AI-powered ticket generation and automated assignment.
- Owned **end-to-end Flutter Web UI development**, including User Management, workflows and Light/Dark mode.
- Integrated **Microsoft Azure Active Directory (AAD)** for authentication and access management.

NinjaCRM — CRM & Lead Management Platform

- Optimized complex **MySQL queries with multiple joins** across Insurance, Sales and PSF modules, reducing processing **TAT by 10–20%**.
- Migrated legacy **Core PHP modules to Laravel**, replacing raw SQL with ORM-based queries to improve maintainability and performance.
- Developed **AWS EC2 cron jobs and automated PHP scripts** for lead creation, updates and nightly processing, reducing manual intervention.
- Developed **React.js dashboards**, enhanced Grafana dashboards with filters, and created Docker/YAML configuration to standardize application setup and support future EC2-to-ECS migration.

Education

- **PVPP College of Engineering** (Affiliated to University of Mumbai) Mumbai, Maharashtra, India
Bachelor of Computer Engineering, **GPA: 8.65 / 10** Dec 2020 – Jun 2023
- **Vidyalankar Polytechnic** (Affiliated to Maharashtra State Board of Technical Education) Mumbai, Maharashtra, India
Diploma in Computer Engineering, **Percentage: 90.63%** Aug 2017 – Nov 2020

Projects

- **URL Shortener | React JS, Golang, MySQL, Redis | Personal Project** *Currently working*
Building a link management service with custom slug generation, click analytics, and expiry controls. Backend in Go with MySQL persistence; React.js dashboard with Redis caching. Targeting sub-50ms redirect response time.
- **JIRA Clone | Angular, Golang, PostgreSQL, Redis, Web Sockets | Personal Project** *Currently working*
Building a project management platform with a Go REST API and Angular frontend. Uses PostgreSQL and Redis for data and session management, with JWT authentication, sprint planning, and a drag-and-drop kanban board.

Achievement

- Awarded High Flier Certification (top 10% of engineers company-wide) at ICICI Lombard GIC Ltd. for exceptional performance with dedication and commitment in FY 2024–25.
- Awarded with One IL One Team Awards – Team Excellence Award for my contributions reflecting spirit of collaboration, adaptability and growth that defines One IL One Team culture in FY 2025-26