Ankush Menat

Software Engineer

📱 +91 9892012235 ✉ ankushmenat@gmail.com github.com/ankush 🏠 ankush.dev

Summary

Ambitious and result-driven software engineer with a robust background in backend development, performance optimization and leading large open-source projects.

Areas of Expertise

Performance optimization - Debugging - Backend development - Maintaining large projects - Python - MariaDB - Redis - "Low Code" - Shell Scripting - Problem Solving - Code Reviews - Security - Automated Testing - Technical Leadership

Professional Experience

Lead Software Engineer *Frappe* **Remote** *01/2021 - present*

- Lead Maintainer of Frappe Framework - a low code framework for building business apps like ERPNext.
- 35% memory usage reduction by tweaking background workers and optimizing code - blog post.
- Around 60% reductions in request overheads and major reductions in resource usage.
- Worked on solving several scalability problems in Frappe and ERPNext.
- Wrote automated SQL query optimizer for developers to quickly find slow queries and optimize them.
- Reviewed 1500+ pull requests, a significant majority of which is from open source community.
- Improved test coverage from 50% to 70% with the team.
- Refactored several core subsystems for improving maintainability and stability of the Framework.
- 100% of my work output at Frappe is open source and can be found on my GitHub profile.

Mechanical Engineer *Godrej Precision Engineering* **Mumbai, IN** *08/2016 - 01/2021*

- Estimating cost of multi-million dollar projects in Nuclear power and Defense manufacturing.
- Pre-sales/pre-bid activities, negotiations and budgeting for projects.
- Automatic data extraction from 3D CAD data using VBA scripts.
- Statistical analysis on cost data for estimating costs
- Training the team and new members on Advance Excel uses.
- Overall improvements resulted in saving of thousands of man-hours every year.

Education

MSc Computer Science *Georgia Tech* **Online** *2024-2027 (expected)*
BSc Computer Science *University of London* **Online** *2019-2022*
Diploma, Mechanical Engineering *Shri Bhaghubhai Polytechnic* **Mumbai, IN** *2012-2016*

Skills

- **Programming languages:** Python, SQL, JavaScript, Rust, C/C++ (from highest to lowest proficiency)
- **Tools:** GNU/Linux, Shell, Neovim, Git/GitHub, spreadsheets, Docker
- **Language:** English, Hindi, Gujarati, Marathi