

Ankush Menat

Software Engineer

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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. - [conference talk](#).
- 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