Garvit Pahal

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SUMMARY

Generalist software engineer with eight years of industry experience. I prefer teams that prioritise customer delight, iteration speed, excellence and engineering craft to architect simple solutions for complex problems.

EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY, KANPUR   **Kanpur, India**
Bachelor of Technology, Computer Science and Engineering   **2012 - 2016**
- Cumulative Performance Index (CPI) of 9.6/10
- Secured All India Rank of 196 in IIT-JEE 2012 (99.97 percentile)

WORK EXPERIENCE

GM LABS   **Bengaluru, India**
Founding Software Engineer   **Apr 2022 - Mar 2024**
- Architected and shipped multiple consumer products end-to-end
- Built Startup Archive - curated startup advice from the world's best founders, Perch - a long-form content aggregation app, Perch - AMA tool for creators, gm.xyz - a place to host your community
- Worked on backend, infrastructure, article recommendation algorithm, indexing article content from websites, web/mobile UI, and web3 token gating

HARNESS   **Bengaluru, India**
Staff Software Engineer   **Apr 2019 - Aug 2021**
- Harness is a modern software delivery platform that helps enterprises ship code easily, quickly and resiliently
- Founding member of the pipeline team that built the next-gen workflow engine powering all products offered by Harness. The engine supports durable workflows that can span multiple weeks
- Led the transition from a monolith Java app to a polyglot microservices deployment as the product offerings grew
- First-hand experience watching a SAAS grow exponentially and increase revenue more than 50x

ALPHAGREP SECURITIES   **Bengaluru, India**
Quant Researcher and Trading Analyst   **Jul 2018 - Mar 2019**
- AlphaGrep is a quantitative trading and investment firm
- Researched and developed high-frequency quantitative trading strategies (statistical arbitrage) for commodity markets in China, which became our most profitable market

DGRAPH   **Bengaluru, India**
Founding Software Engineer   **Nov 2017 - Jun 2018**
- Dgraph is one of the most popular open-source distributed graph databases
- Launched Ratel, which is Dgraph's data visualisation and cluster management interface
- Released database clients in JavaScript (browser and node) and Python. Maintained client libraries for other languages
- Laid groundwork for the Dgraph-as-a-service platform built on top of Kubernetes

PLATO   **Bengaluru, India**
Co-Founder   **Jul 2015 - Sep 2017**
- Plato is a chat app for one-on-one career mentoring
- Conducted successful pilots during college placements and entrepreneurship events
- Funded by Commence Mint accelerator program and selected for Y Combinator Startup School
- Secured 2nd position in Microsoft Imagine Cup, India (2015) and were incubated at IIT Kanpur

NOTABLE PROJECTS

SUPERSTREAM   Feb 2022 - Jun 2022

- Superstream is a real-time streaming payment protocol on the Solana blockchain. Pay anyone per second/hour/day/week/month/custom interval
- Designed, implemented, and deployed it on devnet, testnet and mainnet clusters of Solana
- The project is open source and documented at superstream.finance

PROGRAMMING TUTORING SYSTEM   Aug 2014 - Oct 2014

- Research project under Dr Sumit Gulwani (Principal Researcher, Microsoft Research, Redmond) and Prof. Amey Karkare (Assistant Professor, IIT Kanpur)
- Launched command line and web apps to assist in teaching introductory programming courses in the 1st year of college by automating assignment and feedback generation and solution-checking
- Project deployed in the 2014-15 academic year (with 400+ enrolled students)

AREAS OF INTEREST

- Industries: Developer Tools, Finance, Education, Productivity
- Technologies: AI, Programming Languages, Databases, Distributed Systems

AWARDS AND SCHOLASTIC ACHIEVEMENTS

- Received Academic Excellence awards (2013, 2014, 2015) for outstanding performance in academics at IIT Kanpur
- Secured an All India Rank of 196 in the IIT entrance exam in 2012 out of 500,000 applicants (99.97 percentile)
- Qualified for the Indian National Mathematics Olympiad in 2010 and 2011 by securing 2nd and 5th state rank
- Received the prestigious Kishore Vaigyanik Protsahan Yojana (KVPY) from the Department of Science and Technology, Government of India