

YESUDEEP JOSE MANGALAPILLY

Engineering Manager · 20-year career · 14+ years embedded in Google's engineering org through GlobalLogic

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◆ Summary

Engineering manager with 20 years of industry experience — including 14+ years embedded in Google's engineering organization through GlobalLogic (a long-term engineering partner) — currently running five parallel engineering teams (20 — 25 engineers today, scaling toward 45 as the Google Search team ramps up) across the US, Poland, Mexico, Argentina, Canada, and India. Founded and hired the 13-person engineering team that built Google's open-source Gen AI SDKs — [Firebase Genkit](#) and [Dotprompt](#) — and made the early architectural calls before rolling off the team in March 2026. Original author of [Watchdog](#), a Python filesystem-monitoring library that now sees 106M+ monthly downloads and 7,300+ GitHub stars, and is a direct dependency of Streamlit, Apache Superset, Apple's FoundationDB, and the AWS SAM CLI.

◆ Experience

Senior Manager, Engineering · *GlobalLogic Inc. (US), on long-term assignment to Google*

August 2024 — Present

San Jose, CA

- Led 5 parallel engineering teams across 6 countries — 20 — 25 engineers today, scaling toward 45 as the Google Search org team ramps up; portfolio worth USD 3 — 4M in annual revenue.
- Supervised principal engineers and mentored 2 senior engineers toward engineering-management roles.
- Led recruitment and onboarding of 20 engineers across the US, Poland, India, Mexico, and Argentina for teams inside the Google Search organization (April 2026 — present).
- Built the 9-person [gRPC](#) engineering team from scratch (early 2025 — present); managed delivery on Google's open-source RPC framework across geographies.
- Established a 3-person [Firebase Realtime Database](#) team plus 4 engineers contributing to adjacent [Firebase](#) platform projects (since 2024); hired and onboarded the founding engineers.
- Built a 7-person [Looker](#) engineering team (August 2024 — present); hired and onboarded the founding engineers and led multiple parallel projects.
- Architected [Firebase Genkit](#) and [Dotprompt](#) (Jan 2025 — Mar 2026), Google's open-source Gen AI SDK and its prompt-as-code infrastructure; designed the Python implementations of both projects from their earliest commits.
- Established the 13-person [Genkit](#) engineering team across 4 countries in Dec 2025 and delivered Python v0.5.0 in Feb 2026 — the largest release in the SDK's history (178 commits, 680 files changed).
- Designed [Google Fiber's](#) Web application security as architect and hands-on engineer — CSP Level 3 and Trusted Types rollouts across customer-facing properties.
- Established business development for the practice: created sales pitches, drove discovery calls with teams across Google to win new projects, negotiated contracts, and coordinated client meet-and-greets as engineers onboard.
- Established end-to-end people management across all four teams: hiring, onboarding, performance reviews for 30 engineers annually, resource allocation, and career-growth conversations.
- Reduced engineer onboarding from 8 weeks to 2 — 3 weeks (2 — 3x faster) across all geographies by rebuilding documentation and the local-development workflow.

- Developed Bazel build rules for **Flutter** and Dart + gRPC; coordinated 20+ technical talks and trainings reaching 100+ engineers.

Specialist Engineer & Technical Project Manager · *GlobalLogic Inc. (US), on long-term assignment to Google* June 2018 – July 2024

San Jose, CA

- Delivered full-stack development and team leadership for Google Shopping and Google Fiber, executing projects worth USD 1M+ in annual revenue.
- Led the design of Google Fiber’s Web application security tooling, including CSP Level 3 and Trusted Types rollouts across customer-facing properties.
- Coordinated 100+ engineering interviews and delivered performance reviews for dozens of engineers; partnered with hiring leads on team composition.
- Delivered 3 upstream contributions to the **Bazel** build system and ecosystem (`rules_jvm_external`, `rules_foreign_cc`, and editor tooling for Vim + Helix).

Lead Software Engineer · *GlobalLogic Inc. (US), on long-term assignment to Google* August 2016 – May 2018

Sunnyvale, CA

- Led full-stack development across 3 product surfaces (internal search engine, revenue-metrics tool, ecommerce applications) covering data analysis and release management.
- Drove search-ranking improvements and shipped the release workflow that became the standard for downstream consumer teams.

Lead, Engineering · *GlobalLogic Technologies Ltd. (India), on long-term assignment to Google* April 2014 – July 2016

Noida, India

- Led and mentored a team of 9 engineers shipping order-tracking, client-side Web frameworks, a customer-satisfaction metrics tool, and an internal documentation app.
- Achieved 3 promotions in 3 years: from Associate Lead (2013) to Lead (2014) to Senior Software Engineer in the US (2015), recognized for cross-geography delivery.

Earlier roles · *GlobalLogic India · HappyChickoo Design Studio · Arion Systems* May 2006 – March 2014

Mumbai · Noida, India

- Software Development Engineer and Associate Lead at GlobalLogic Technologies Ltd. (India), on long-term assignment to Google (Feb 2012 – Mar 2014): built customer-satisfaction tooling, trained juniors on Git and Emacs.
- Established HappyChickoo Design Studio (2007–2010): created print, photography, and Web design for Greatship India, MILS, and other clients.
- Software Engineer at Arion Systems (2006–2007): built financial-reporting terminals for ICAP India and cash-transaction reporting for Kotak Mahindra Bank.

◆ Open-source Leadership

Original Author · **Watchdog** · *Cross-platform filesystem monitoring for Python* Created 2010

- Created **Watchdog**, which today sees 106M+ downloads/month (PyPI, March 2026), 7,300+ GitHub stars, and 750+ forks under community stewardship.
- Direct dependency of Streamlit, Apache Superset, Apple’s FoundationDB, the AWS SAM CLI, and Hugging Face’s dataset tooling; adopted across US national labs and agencies (NASA JPL, ORNL, CISA), and 1,000+ other verified projects.
- Integrated into 6 package managers (Debian, Ubuntu, Fedora, Arch, Homebrew, Conda); designed 4 native event-notification backends for Linux, macOS, Windows, and FreeBSD.

- Architected and led contributions from the project’s earliest commits; designed Dotprompt’s prompt-as-code infrastructure with versioning, parsing, and type-safe template execution shipping in Python, Go, TypeScript, Rust, and Java (Python implementation: PR 22, February 2025).
- Established the engineering team in December 2025: hired 13 engineers across Poland, Mexico, the US, and India to build Google’s open-source Gen AI SDK and prompt-template library.
- Drove Genkit Python v0.5.0 release on February 4, 2026 the largest single release in the SDK’s history (178 commits, 680 files changed); 1,097 GitHub contributions in the trailing year across Genkit and Dotprompt.

Selected upstream contributions at googletest (C++ testing framework), cctz (time-zone library), double-conversion (IEEE-754 conversion), Bazel ecosystem, DefinitelyTyped, huggingface_hub, Google Closure Library, the official Go Blog, webapp2 (bundled in Google App Engine), Vim (BUILD/bazel filetype detection, applied by Bram Moolenaar as patch 8.2.1566; also in Neovim), and python-rsa (multi-core key generation, early Python 3 compatibility, and a 40x-faster integer-to-bytes path; credited by name in the changelog); and WebView XP (2002) — my first open-source release, a Windows XP-style Explorer task pane for Windows 98/Me/2000, published as “Art Sands”.

◆ Skills

Leadership	Engineering management (5 parallel teams, scaling toward 45 reports including principal engineers), manager development and succession, cross-geography coordination (US, India, Poland, Mexico, Argentina, Canada), performance reviews, hiring and onboarding, strategic planning, stakeholder and client management.
Business Development	Sales pitches and discovery calls with internal and external clients, contract drafting, client meet-and-greets, partner engagement, account growth alongside go-to-market teams.
Delivery	Multi-project portfolio delivery, P&L ownership, resource allocation, technical training programs, release management.
Programming	Python, JavaScript / TypeScript, Go, Rust, Java, C++.
Domains	AI / ML tooling (Gen AI SDKs), open-source ecosystem infrastructure, Web application security (CSP Level 3, Trusted Types), build systems (Bazel), cross-platform systems programming.
Tools	git, Bazel, GNU Emacs, Vim / Helix, GitHub, Linear.
Languages	English (fluent), Hindi, Marathi, Konkani, Gujarati (passing).

◆ Education

2005 Bachelor of Computer Science, University of Mumbai, India.

◆ Selected Awards

2024	Long-Term Incentive Plan Award, GlobalLogic selective award for top-performing senior leaders.
2022	Long-Term Incentive Plan Award, GlobalLogic selective award for top-performing senior leaders.
2016	Sales Support Award, GlobalLogic for contributions to business development and client engagement.
2015	Partner Excellence Award, GlobalLogic for exceptional delivery on the Google partnership.
2023	TypeScript Readability, Google peer-reviewed technical credential signifying expert-level proficiency.
2012	JavaScript Readability, Google peer-reviewed technical credential signifying expert-level proficiency.

◆ Selected Publications

- **Mangalapilly, Y. J.** “Even Faster `String.prototype.trim`” (2009) — 50% — 60x faster trim implementation in JavaScript; adopted by the RightJS framework.
- **Mangalapilly, Y. J.** “Concurrency using Go” — book in progress; draft available on request.
- **Child singer**, “Vikas Colourful Rhymes” (Vikas Educational Cassette Series, Vikas Prakashan) — my earliest credit (1992).