

Gurbakhshish Singh

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01 — SUMMARY

I am a lead software engineer and Vice President at Nomura Asset Management International, with more than a decade of experience delivering enterprise software. My work centers on Python, Go, and Java. I focus on aligning technical solutions with organizational goals, helping teams succeed, and delivering meaningful results.

02 — EXPERIENCE

- Nomura Asset Management International**
Philadelphia, PA

Vice President

 - Build and operate enterprise software for a global asset manager across Python, Go, and Java on AWS and Linux.
 - Translate organisational goals into technical direction, so delivery decisions hold up against the business case behind them.

Python

Go

Java

AWS

Linux

Dec 2025 - Present
- Macquarie Group**
Philadelphia, PA

Lead Software Engineer

 - Led engineering on business-critical financial systems, owning architecture through to production operation in Go on AWS.
 - Set technical direction for the team and grew engineers through design and code review.

Senior Software Engineer

 - Delivered Java and Go services behind enterprise workflows, taking ownership of whole systems rather than individual features.

Software Engineer

 - Advanced from software engineer to senior and then lead across eleven years with the firm.

Go

AWS

Python

Java

Linux

Feb 2014 - Dec 2025
- FDM Group** IT Consultant
Greater New York City Area

Provided technology consulting services in the New York area.

Sep 2014 - Feb 2017

○ **Code Brew Labs** iOS Developer Intern

Jan 2014 - Jul 2014

Chandigarh, India

Started my professional career developing iOS applications.

iOS

03 — PERSONAL PROJECTS

Smart Invest AI AGENTS git.gsingh.io/gurbakhshish/smart_invest

Stock research and portfolio insight platform: LangChain Deep Agents produce ticker research with fundamentals, news sentiment, and citations, plus portfolio reviews and opportunity scans — served through a CLI and FastAPI service, preserving data provenance instead of fabricating it.

uv workspace monorepo · CLI + API + MCP scaffold

Pi Usage OPEN SOURCE github.com/singh-gur/pi-usage

Published npm extension for pi.dev that puts AI subscription headroom in your terminal: quota dashboards and reset countdowns across seven providers (Codex, Copilot, Grok, Kimi, OpenRouter), plus a live status footer.

On npm as @singh-gur/pi-usage · read-only provider APIs

Framework Panel DESKTOP APP github.com/singh-gur/fwpanel

Linux control panel for Framework laptops: an unprivileged Tauri/SvelteKit UI over a privileged D-Bus host service, with polkit-authorized charge-limit control and readback verification, shipped as RPM and Flatpak.

Rust service boundary · systemd + polkit + Flatpak packaging

Data Loader DATA TOOLING git.gsingh.io/gurbakhshish/dataloader_util

Config-driven pipeline tool that moves CSV, JSONL, and Parquet from files or S3 into Postgres, Trino-managed Iceberg, and Snowflake on a DuckDB engine — with replace/append/merge modes and an Airflow 3 TaskFlow SDK.

DuckDB core · dockerized integration tests against MinIO, Postgres, and Trino

Job Search OPEN SOURCE git.gsingh.io/gurbakhshish/jobsearch

Job-search aggregator that normalizes LinkedIn guest-API postings into canonical pydantic models, dedupes and caches them in SQLite, and serves everything through a CLI, REST API, and MCP server — graceful stale-cache degradation included.

One service, three interfaces · 46 offline tests

04 — TECHNICAL SKILLS

Languages

PythonGoJavaJavaScriptC#

Cloud & systems

AWSLinuxGCPKubernetesAmazon EKS

Data & databases

Google BigQuerySnowflakeAmazon RedshiftTrinoApache Iceberg

Frameworks & tools

Node.jsAirflowPrefectdbtLangChain