

Tarun Vishwakarma

Full Stack Engineer · Go, Rust & Distributed Systems

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EXPERIENCE

Software Development Engineer II (Go)

May 2026 – Present

Honeywell Technologies

India

- Led security remediation across 10+ **Go** repositories, resolving vulnerabilities flagged by Black Duck, Coverity and Twistlock to bring services and containers into compliance.
- Cut artifact build times by ~50% by reworking GitHub Actions workflows and Cake build scripts with dependency caching.
- Designed **multi-stage Docker builds** that shrank container images and sped up delivery through Octopus Deploy and Rancher across dev and production.

Senior Software Engineer

Jul 2022 – May 2026

NewGen Software Technologies

Noida, India

- Increased throughput of **Java** / **Spring Boot** / **PostgreSQL** services by 30% through query and codebase optimization.
- Integrated **Kafka** for asynchronous messaging and moved deployments to **Docker** / **Kubernetes**, reducing deployment downtime by 50%.
- Built an identity and access layer with **OAuth** serving 5,000+ concurrent daily users.
- Shipped React / Next.js UI components that cut page load time by 40%.

PROJECTS

Aston Martin 3D [link](#)

Next.js, Three.js, Blender, WebGL

- A 3D site featuring Aston Martin Vulcan, Made in Blender, Played by Three.js

HoverUI [link](#)

React 19, Tailwind CSS v4, shadcn CLI

- Built an open-source library of copy-paste **React** cursor components, installable with the **shadcn CLI**; cursors scope to the element they are placed in and fall back gracefully on touch and reduced-motion devices.

Rusticx ORM (ORM in Rust) [link](#)

Rust, Crates.io

- Developed and published a type-safe ORM library on **crates.io**, leveraging Rust's macro system for memory-safe and high-performance database operations.

Gormicx (ORM in Go) [link](#)

Go, SQL

- Engineered a lightweight ORM utility from scratch in **Go**, using reflection for dynamic SQL query generation and connection pooling.

GoTorrent (BitTorrent client in Go) [link](#)

Go, Fyne, TCP

- Built a cross-platform BitTorrent desktop client with the engine written from scratch in **Go**: bencode parser, HTTP tracker client, peer wire protocol and a piece work queue across concurrent peer connections.

Java Sort & Search [link](#)

Java 17, Docker, Microservices

- Developed a scalable **Java 17 microservice** implementing sorting and searching operations, using Docker for isolated and reproducible deployments.

SKILLS

Languages Go, Rust, Java, TypeScript, SQL

Backend Microservices, REST APIs, Kafka, Spring Boot, Node.js, OAuth

Data PostgreSQL, Redis, MySQL, MongoDB

Infra Docker, Kubernetes, AWS, GitHub Actions, CI/CD

Frontend React, Next.js, Tailwind CSS

EDUCATION

B.Tech

Guru Gobind Singh Indraprastha University (GGSIPIU)

Graduated Jul 2022

New Delhi, India