

# PRATHAMESH LOHAKARE

+91 82081 59779 ◊ [prathamesh.lohakare@outlook.com](mailto:prathamesh.lohakare@outlook.com) ◊ [LinkedIn](#) ◊ [GitHub](#)

## SUMMARY

---

Product engineer at an early-stage AI-SRE startup, owning agentic developer tooling and cloud-native platform infrastructure across the full product lifecycle - from customer requirements and design through production and incident response. Drives cross-stack features end-to-end in partnership with enterprise customers, with a bias toward reliability and fail-loud systems.

## SKILLS

---

<b>Languages</b>	Python, Go, Bash
<b>Backend &amp; Infra</b>	FastAPI, PostgreSQL, Redis, Neo4j, Kubernetes, Docker, GCP, AWS, Linux
<b>AI/LLM Systems</b>	Agent orchestration (Google ADK), RAG, MCP, LLM-as-judge, prompt & guardrail design

## EXPERIENCE

---

<b>Product Engineer</b> RunWhen Inc. (AI SRE platform, early-stage startup)	Mar 2025 - Present <i>Pune, India</i>
--	--

- Owned 0-to-1 of an agentic system where an LLM writes, runs, and self-corrects production infra automation; a peer-agent architecture that now lets non-engineers ship Bash/Python tasks running thousands of times/day.
- Cut landing-page API latency > 56% by replacing a full-table scan with a direct indexed lookup; root-caused a class of bugs that were silently corrupting session ownership records.
- Used RAG to ground code generation in trusted docs and built an LLM classifier that gates write-access by task risk, preventing the agent from committing unsafe changes.
- Led hardening of the platform's state migration from Kubernetes CRDs to PostgreSQL; root-caused and fixed a connection-pool exhaustion incident under production load, and closed a security leak exposing deleted resources across 7 API endpoints.
- Designed secure runtime config and secret injection across five services; chose an ephemeral Redis store with a hard TTL and no silent fallback, so runs fail loud on expired config instead of silently executing stale values.
- Shipped in-VPC MCP server integration into the agent runtime - the lowest-cost of four evaluated architectures; made the platform cloud-agnostic (validated in an on-prem POC with NVIDIA) and built the runner installer.

<b>Software Engineer</b> Druva Data Solutions Pvt. Ltd. (contractor from Josh Software)	Jan 2022 - Mar 2025 <i>Pune, India</i>
--	---

- Owned platform services at 99.8% SLA handling high-throughput backup and metadata operations; authored the high-/low-level design docs that aligned multiple teams on cross-cutting features.
- Led the monolith-to-microservices migration (REST + event-driven SQS/SNS) so teams could ship independently, then built Druva's first Public API and its granular authorization framework, opening the platform to external integrations.
- Re-architected the backup path to cut resource consumption ~33% by eliminating redundant DB calls and shrinking the memory footprint.
- Root-caused and resolved a critical production incident cascading across seven services, restoring stability under live customer impact.

## Open Source

- [Uvicorn](#) (ASGI server) - bug fixes across 3 releases; [Meson](#) - CLI help bug fix; HoloViz [Panel](#) - new API parameter with deprecation path + unit tests.

## EDUCATION

---

<b>B.E. in Information Technology</b> , K.K. Wagh Institute of Engineering, Nashik CGPA: 9.05/10	2018 - 2022
---	-------------