

Prem Kumar

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Senior AI Engineer, 8 years building ML systems, AI agents, multi-agent orchestration, and agentic pipelines for enterprise clients across insurtech and Web3.

EXPERIENCE

Ancileo · Senior AI Engineer

Feb 2024 - Present · Singapore (Remote)

- Shipped a conversational AI agent on WhatsApp that handles travel insurance claims end-to-end with customers.
- Architected an agentic claims pipeline on LangGraph, deployed on Azure Kubernetes, with RAG for policy grounding.
- Designed multi-step agent workflows with stateful orchestration, tool-use, and human-in-the-loop checkpoints.

Chromia · Lead AI Developer

Nov 2023 - Feb 2024 · Sweden (Remote)

- Designed and maintained Chromia's AI backend infrastructure across projects.
- Set up backend servers, services, and open-source projects for AI and robotics work.
- Built quick proofs of concept and MVPs, keeping services aligned to proper frameworks.

Azara AI · Lead AI Engineer

Aug 2022 - Nov 2023 · United States (Remote)

- Delivered task-based AI Agents for enterprise workflows. Integrated with WhatsApp and Gmail; lifted engagement by 35%.
- Pioneered the company's first RAG pipeline with document retrieval, summarization, and citation.
- Built the agent observability stack on AWS with LangSmith, Grafana, Prometheus, and Jaeger.
- Ran RAGAS evaluations on synthetic data to refine agent output quality.

WISE AI · Machine Learning Engineer

Aug 2019 - Aug 2022 · Malaysia

- Shipped Liveness Detection and Facial Recognition for e-KYC. Deployed to private and government clients in Malaysia.
- Led data sourcing across 30+ global sources for training and fine-tuning.
- Drove the team to ISO 30107-3 certification. First company in Southeast Asia.

Tekkis · Python Developer (Contract)

Apr 2019 - Apr 2020 · Malaysia (Remote)

- Built backend services in Python for early-stage security and AI products.

Neofin · Machine Learning Engineer

Jul 2018 - Aug 2019 · United States (Remote)

- Built Facial Recognition for Loan Origination, deployed across four US fintech and neo-banking partners.

Monash University · Graduate Researcher

Aug 2017 - Jan 2018 · Malaysia

- CNN-based seed classification for an automated grading system.

FOUNDER PROJECTS

Hiregents · hiregents.com 2026 - Present

- AI agent marketplace for Telegram. Users paste their keys, an agent boots on a private VPS in ~5 minutes.
- Designed the SKILL.md open standard for portable, transparent agent behavior.
- Engineered end-to-end: marketplace, deploy flow, Stripe billing, agent runtime, infrastructure provisioning.

SaaSClips · saasclips.com 2026 - Present

- Launch-video generator for SaaS founders. Paste a URL, get a square MP4 in 60s.
- Built the full pipeline: URL scraping, four render styles, AI voiceover, MP4 export.

SIDE PROJECTS

Caterspot · Catering Agent · caterspot.sg Mar 2024 - Apr 2024 · Singapore

- Developed a customer-facing ordering agent on LangChain + OpenAI for end-to-end catering orders.

HostTempo · Support Agent · hosttempo.com Jan 2024 - Mar 2024 · United States

- Built a support agent grounded in Tempo platform docs and tutorial content.

SKILLS

agentic	LangGraph, LangChain, Strands, Paperclip, OpenClaw, Hermes, Claude Code, MCP, OpenAI SDK, Anthropic SDK, OpenRouter, RAG, Multi-Agent Orchestration
llm-ops & eval	LangSmith, RAGAS, Grafana, Prometheus, Jaeger
backend	Python, FastAPI, Celery, Async, Redis, PostgreSQL
infra	Docker, Kubernetes, AWS, Azure, CI/CD
vector & ml	Pinecone, embeddings, hybrid search, TensorFlow, fine-tuning, evaluation

EDUCATION

B.Eng. Computer Systems · Monash University 2016 · Malaysia