PIETER VENTER

Principal Engineer | Software Architect | AI-Native Systems & Workflow Orchestration

Remote · B2B contractor via own company · No sponsorship needed | pieter@venter.pro | +1 (925) 240-3474
Portfolio: https://pieter.venter.pro
LinkedIn GitHub

PROFILE

Hands-on principal engineer and software architect with 15+ years building software and leading teams. Led core engineering and the Process Engine as an early team member at Invisible, which has since reached unicorn status. Work spans AI sales products at AI Acquisition / Acquisity, investment research at Mana, and independent infrastructure products. I combine architecture with implementation, delivery and technical leadership.

CORE STRENGTHS

Architecture · TypeScript · AI Systems

Durable workflows and orchestration; product engineering; data and integrations; developer experience and infrastructure; engineering leadership.

EXPERIENCE & SELECTED SIDE PROJECTS

Founder | Fleetnook — 2026-Present

Side project

· Built a hosted control plane and customer-side runner for approved Docker deployments, runtime health and signed usage reporting.

· Outbound runner connections and expiring, revocable diagnostic access keep customers in control of their environment. Customers choose their own Temporal service.

· Independent demo with an invitation-only hosted beta. Interactive support, managed Temporal hosting and payment collection remain future work.

Lead Software Architect | AI Acquisition / Acquisity — 2025-Present

· Build customer-facing AI SDR, cold-email and workflow automation features, spanning implementation, integrations and reliable background execution.

· Contribute to AI SDR v2 architecture and implementation, including follow-up execution and recovery. Implemented If/Switch workflow nodes and node-configuration UX.

· Improved campaign automation, workspace isolation, lead-query performance and CRM conversation performance. Built internal coding-agent tooling to support product delivery.

Founder | Syncly — 2025-Present

Side project

· Built an independent data integration platform using TypeScript, Temporal, Prisma/Postgres, Snowflake, Docker and Railway.

· Designed connectors and long-running sync workflows with progress reporting, retries, rate-limit handling and connection lifecycle management.

EXPERIENCE CONTINUED

Engineering Team Lead | Mana Finance — 2023-2025

· Built AI-powered investment research systems spanning portfolio monitoring, SEC filing analysis, event intelligence and automated research workflows.

· Worked across TypeScript/Next.js and Python with Postgres/Prisma, Redis, background workers, OpenAI integrations, observability and production checks.

Principal Software Engineer | Invisible Technologies — 2019-2023

· Led core engineering and the Process Engine as an early team member at Invisible, which has since reached unicorn status.

· Led Process Central architecture and delivery, coordinating long-running work across people, software and external systems. Worked on Process Builder from inception until leaving in 2023, with a designer and fellow engineers.

· Contributed to Agent-Pay, DAL (Digital Assembly Line), the Client Portal, automations and developer experience. Technical direction spanned TypeScript, Node.js, Prisma/Postgres, Kafka, Kubernetes and CI/CD.

· Managed engineers and engineering managers, shaped teams and coached technical leaders while staying hands-on. The Process Engine whose architecture and delivery I led supported Invisible's OpenAI work in 2022.

Software Consultant | Independent / Upwork — 2015-2019

· Delivered full-stack and product engineering for international clients across architecture, implementation and deployment.

Senior Software Engineer | Ogilvy & Mather South Africa — 2014-2015

· Built business systems across backend and frontend application development.

Software Engineer | MiX Telematics — 2012-2014

· Selected for a six-engineer DynaMiX team modernizing a substantial legacy codebase and internal framework.

ENTREPRENEURIAL EXPERIENCE

Founder / Owner | Ventus eSports — 2009-Present

· Founded an esports organization with national championship wins, international teams and sponsors including Vodacom. Active teams through 2019; currently dormant.

EDUCATION

BComm Information Systems and Financial Management
Stellenbosch University

TECHNOLOGY

TypeScript, JavaScript, Node.js, Python, React, Next.js, Postgres, Prisma, Redis, Snowflake, Kafka, Temporal, Inngest, Docker, Kubernetes, AWS/GCP, Vercel, Railway, OpenAI integrations and AI agent workflows.