

Naresh Kumar

Software engineer and technical leader who builds and runs platforms for endurance events and small businesses, with 20+ years across support, testing and delivery.

Experience

Fractional CTO · **Bedrock Sandals** Aug 2026 – Present

Infrastructure and security lead 2012 – 2026

- Lead technology across systems, infrastructure, security, operations and data; turn business needs into automation and AI-enabled workflows; coordinate vendors, implementation and QA.
- Secured Google Workspace and Shopify Plus with zero-trust access, hardware MFA, DMARC/DKIM/SPF and PCI-DSS hardening. Zero incidents in six years.
- Built a regression suite and wrote the AI-use policy; building a repair tracker.

Founder and principal consultant · **Independent practice** 2014 – Present

Technology partner and board member, **Big's Backyard Ultra** 2020 – Present

Partner and sole platform builder, **GVRAT** 2020 – Present

Lead engineer and sole developer, **CRAW** 2020 – 2024

- Built the affiliation system supporting 720+ races in 82 countries; build and operate the website, members platform, race catalogue, results and certificates.
- Administer and secure the WordPress sites and VPS infrastructure: Cloudflare DNS and WAF, server hardening, backups, monitoring and incident response.
- Built GVRAT solo in under a week during lockdown: planned for 2,000 runners, joined by 19,600+ from 70+ countries.
- Owned the Circumpolar Race Around the World (CRAW) end to end for four years: 54,949 registrations from 7,329 participants in 48 countries.
- Built its results engine on the RunSignup API and Google Apps Script for 635+ teams, each on independent per-region clocks.
- Build client websites with AI coding agents under a spec-driven, reviewed and tested process, including Tunnel Hill 100 and a six-day world record holder's site.

Project manager · **VMware** 2013 – 2014

- Directed testing and release for four global releases across 14+ business units, coordinating about 30 people. All four shipped on time.

Test lead to project lead · **Cognizant** 2008 – 2013

- Led testing for Emdeon (now Change Healthcare) and Copart with onshore and offshore teams.

Software test engineer · **Cerner** 2006 – 2008

Technical support expert, enterprise · **Dell** 2004 – 2006

Leadership

Founder · **Freedom Seat Foundation** 2016 – Present

- Founded a tandem-cycling initiative against human trafficking: 17,000+ km across 15 countries, 500+ riders and \$250,000 raised. About 50 talks as a speaker.

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St. Louis, Missouri

Authorized to work in the US, India and New Zealand

Skills

Languages & frameworks

TypeScript, JavaScript, Python, React, Next.js, Astro, Google Apps Script, HTML, CSS

Platforms & security

WordPress, Shopify Plus, Google Workspace, VPS, Cloudflare DNS and WAF, SSL/TLS, MFA, DMARC/DKIM/SPF, PCI-DSS

Quality & AI

Regression, performance and security testing, Playwright, AI coding agents, local open models, AI-use policy

Delivery

Requirements and system design, release and risk management, distributed teams

Selected projects

WTC 2026 dashboard

Live results for Big's Backyard Ultra World Team Championship: 990 runners, 67 countries, 2.4 million visits.

GVRAT dashboard

Static Next.js site and a Python pipeline from the RunSignup API, for a 153-day race; runs on free tiers.

Pragmatic Programmer skill

Guardrails for AI coding agents from The Pragmatic Programmer, with an A/B evaluation suite.

Education

University of Madras

BE, Electrical and Electronics Engineering (First Class), 2004

Credentials

Chartered Engineer (C.Eng), IEI; Google Project Management and Cybersecurity Certificates, 2026