

ARSHDEEP SINGH

Senior Full-Stack Engineer & Technical Lead

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PROFILE SUMMARY

Senior Full-Stack Engineer and Technical Lead with 10+ years building and scaling web platforms across MEAN, MERN, and PHP stacks. Have built multiple AI-driven SaaS platforms from scratch — document forensics, AI video dubbing, and legal-tech automation — for European clients, while leading engineering teams of 10–20. Comfortable owning technical strategy end-to-end, from system architecture through team leadership to direct client delivery.

EXPERIENCE

Technical Architect — Skor Nov 2023 – Present

Client Engagement via Seraphic Infosolutions Pvt. Ltd. · skortorent.com · Spain-based proptech platform for landlord-tenant rental verification

- Primary technical point of contact for Skor's Spain-based client team (6–7 people), coordinating requirements and delivery directly with stakeholders.
- Joined on the initial MERN-based platform build; as the team scaled, took ownership of the platform's core document-forensics engine and end-to-end architecture — database design, service topology, and infrastructure.
- For the past 2 years, leading architecture and development of Skor Insights, a Python/FastAPI microservice combining LLM analysis with deterministic forensic checks (OpenCV, PyMuPDF) to detect fraudulent or altered documents and generate a tenant risk score landlords use to evaluate prospective tenants.
- Designed the async job pipeline (RabbitMQ, Celery, MongoDB) with KEDA-based autoscaling on Azure Container Apps to handle variable report-processing load.
- Manage the development team building the platform's MERN-based frontend alongside the Python services.

Team Lead — MEAN/MERN Stack Development Sept 2022 – Present

Seraphic Infosolutions Pvt. Ltd. · Mohali, Punjab, India

- Lead a cross-functional team of 10–20 engineers across React, Angular, Node.js, and PHP stacks; own technical design, architecture reviews, and mentorship.
- Build and maintain CentOS/Ubuntu server infrastructure; integrate LLM-based AI tooling (Hugging Face, Leonardo AI) into client products.
- Own client-facing technical discussions, translating requirements into scoped, deliverable roadmaps.

Web Designer → Full Stack Developer → Project Manager Jul 2016 – Sept 2022

teamOxio Technologies · Ludhiana, Punjab, India

- Joined as a Web Designer & Developer, building dynamic PHP websites and converting PSD/XD designs into responsive HTML/CSS.
- Progressed to Full Stack Web Developer, owning backend architecture, RESTful APIs, payment gateway integrations (including cryptocurrency), and Solidity smart contracts.
- Advanced to Project Manager & Web Developer, consulting directly with clients on requirements and leading delivery of complex, high-traffic web applications and hybrid mobile apps (Ionic).

PROJECTS

Vexor — Founding Engineer & Technical Lead Client Engagement

Client Engagement via Seraphic Infosolutions Pvt. Ltd. · vexorai.eu · AI-powered legal case management platform for Whitestar, a legal firm group (Europe)

- Hired directly by the client to build the platform from scratch, taking it from concept to a stable production system in 2–3 months.
- Built an AI pipeline that processes incoming legal notifications, extracts structured case data, and generates triage decisions based on case scenarios, streamlining manual document handling for the legal team.
- Integrated the AI layer into the client's Galaxy CRM, surfacing AI-generated case comments and triage decisions directly in their existing workflow.
- Scaled the build by hiring and onboarding 2 additional Python developers as the platform expanded.

- Own infrastructure and production architecture on Azure (Container Apps, private endpoints); lead twice-weekly client calls and manage the dev team's ongoing work.
- Received two performance bonuses from the client for delivery quality.

CrazyScale (formerly FamePlay) — Founding Engineer *Client Engagement*

Client Engagement via Seraphic Infosolutions Pvt. Ltd. · crazyscale.studio · Client project, Czechia · AI-powered video translation, dubbing & lip-sync platform

- Built the platform's core engine from scratch — end-to-end lip-sync, video translation, and a browser-based video editor (scene adjustment, waveform/timeline editing, audio enhancement and correction) — taken from concept to production launch in under 8 months.
- Integrated 7+ external AI/media services (ElevenLabs, OpenAI, HeyGen, Sync.so, Rask AI, MVSEP, AWS S3/GCS) behind a unified, provider-redundant pipeline for transcription, translation, voice cloning, and lip-sync.
- Designed a glossary-aware AI translation engine with a “smart memory” feedback loop that learns reusable translation rules from human proofreader corrections.
- Engineered duration-matched dubbing and music/vocal stem separation to keep lip-sync and background audio intact through translation.
- Now co-managing the live platform and its infrastructure alongside the client's dev team, delivering ongoing feature work and support.

Additional Projects

- **Vuela.ai** — Generative AI content platform, built from scratch. *(Seraphic)*
- **Agthia Group** — Shopify Plus storefront and website, UAE. *(Seraphic)*
- **XYXX** — D2C Shopify storefront. *(Seraphic)*
- **Trudoc**. *(Seraphic)*
- **ROCGA** — Financial analytics platform, built from scratch. *(teamOxio)*
- **SdealsHub**. *(teamOxio)*
- **GoArbit**. *(teamOxio)*

TECHNICAL SKILLS

- **Languages & Frameworks:** JavaScript/TypeScript, Python (FastAPI), React, Angular, Next.js, Node.js, Express, PHP (Laravel, Yii), ASP.NET Core, React Native, Flutter
- **AI / ML & Voice:** OpenAI, Anthropic Claude, Azure OpenAI, ElevenLabs, HeyGen, LiveKit, LLM pipeline design
- **Data:** MongoDB, MySQL, PostgreSQL, Redis
- **Infrastructure:** Docker, Azure Container Apps, KEDA, RabbitMQ/Celery, GitHub Actions, AWS, Azure, GCP, Linux (CentOS/Ubuntu), Nginx
- **Platforms:** Shopify, WordPress, Strapi, Blockchain/Web3

EDUCATION

Master of Computer Applications (MCA), Information Technology *Jun 2019 – Sep 2024*

Indira Gandhi National Open University (IGNOU)

Bachelor of Commerce (B.Com) *Dec 2015 – May 2018*

USOL, Panjab University, Chandigarh