

Harsh Singh

harshsngh07@gmail.com | website-harshsingh.site | linkedin.com/in/harshsngh07 | github.com/harshsngh07

PROFESSIONAL SUMMARY

Full Stack Engineer with **5+ years** building distributed systems from UI to API to infrastructure. Specialized in **NestJS, AWS, React and event-driven architecture** with deep experience in **remote, async collaboration** across US and EU teams. Drove **37% MoM performance lift** and **3x efficiency improvement** through product-led platform optimization and end-to-end feature ownership.

TECHNICAL SKILLS

Languages & Frameworks: Node.js, NestJS, TypeScript, JavaScript, C#, .NET, Python, Angular, React, Next.js, HTML5, CSS
Infrastructure & Tools: AWS (EKS, Route53, ACM), Docker, Kubernetes, Helm, CI/CD, Prometheus, Git, Sourcegraph
Databases: MariaDB, MySQL
Automation & AI: n8n, LangChain, AI-assisted coding (Copilot, Cursor, Claude), OpenAI API

EXPERIENCE

Criteo <i>Fullstack Engineer-2</i>	Apr 2025 – Present <i>Remote</i>
- Drove a 37% MoM improvement in platform performance and 3x better operational efficiency through highly optimized UI-driven scheduler orchestration and automation. - Led development of a client-facing product management platform in Angular, architecting intuitive UI workflows that enabled non-technical users to dynamically configure projects and trigger automated processes. - Led the end-to-end migration of backend applications from NestJS on Mesos to C#/.NET on Kubernetes, overseeing architecture redesign, service rewrites, deployment strategy, and production rollout to modernize the platform and improve operational scalability. - Spearheaded infrastructure ownership for self-hosting the n8n platform on AWS; managed EKS cluster creation, Kubernetes configurations, and DNS/ACM certificate provisioning. - Developed an event-driven notification interface and reporting workflows using NestJS and NodeMailer to dispatch automated stakeholder alerts and execution logs. - Technical lead for the Agentic Factory initiative, enabling teams to build AI agents using Dust, Glean, and n8n; led migration from v1 to v2 on Kubernetes via Helm.	
Criteo <i>Fullstack Engineer-1</i>	Jan 2023 – Apr 2025 <i>Remote</i>
- Developed and scaled Retail Media JS (RMJS), a frontend integration platform enabling dynamic, high-performance widget placements across 100+ production sites for 5+ major clients. - Built custom developer tooling including a Gerrit-Slack monitoring system using Node.js and TypeScript to systematically track repository changes and automate PR notifications. - Enhanced the <i>MyWeekly</i> reporting platform with resilient APIs and optimized frontend workflows utilizing Angular and NestJS for 50+ concurrent internal teams.	
Accenture <i>Frontend Engineer</i>	Aug 2021 – Jan 2023 <i>Remote</i>
- Contributed to Intel Web Order Management (WOM), building responsive B2B e-commerce UI features utilizing Angular and SAP Hybris. - Achieved a 100% Google Lighthouse score (from 30%) by optimizing frontend performance and accessibility (a11y), implementing advanced Kendo Grids for complex data visualization. - Resolved 300+ UI and functional defects, accounting for 12% of total project issue volume while strictly maintaining enterprise code quality standards.	

PRODUCTS

YT Ideas App <i>Next.js, React, TypeScript, OpenAI API, Groq</i>	Live App
- Built a content ideas generator using Next.js, React, and TypeScript, integrating OpenAI and Groq LLM APIs for real-time, AI-powered content generation with prompt engineering and error resilience. - Generated over 3000+ ideas and attracted 2000+ users shortly after launch, validating product-market fit through rapid iteration. - Designed a fast, responsive UI and optimized API interactions for quick iteration and real-time results.	
RemoteJobs Platform <i>Next.js, React, TypeScript</i>	Live App
- Built a remote jobs aggregation platform with a focus on clean UX and fast discovery, aggregating over 30+ different sources. - Achieved 100+ users on day 1, validating demand and usability. - Implemented filtering and structured data handling to improve search and browsing experience.	

EDUCATION

Shri Shankaracharya Group of Institutions <i>B.Tech in Computer Science and Engineering (GPA: 8.97/10)</i>	Bhilai, India <i>Jun 2021</i>
--	----------------------------------