

Hanut Singh Gusain

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Professional Summary:

With over 13 years of experience as an engineering leader, I have consistently driven the development of scalable software solutions and built high-performing teams, delivering measurable impact across both startup and enterprise environments.

Presently, I serve as Director of Engineering at Benbria, where I have spearheaded CI/CD modernization efforts, achieving a 67% increase in deployment speed, secured SOC 2 compliance, and integrated advanced AI capabilities to elevate platform intelligence.

My expertise encompasses full-stack development, cloud architecture, DevOps, and systems engineering. I possess hands-on experience building and scaling products using technologies such as Node.js, Golang, React, and Kubernetes, as well as developing mobile, web, and near real-time communications platforms.

Key areas of specialization include:

- Leading cross-functional teams and mentoring engineers
- Designing resilient and scalable systems
- Driving product innovation through AI and automation
- Aligning engineering strategy with overall business objectives

Work Experience:

Director of Engineering

Benbria - Ottawa | April 2024 – Current

- **Facilitated** communication between product, technical, and stakeholder teams.
- **Led** AWS security and stability upgrades
- **Implemented** a new ETL pipeline to replace the brittle legacy system.
- **Trained** team on modern TypeScript.
- **Supported** AI initiatives in text analytics and LLM integration.
- **Optimized** CI/CD, reducing deployment time by 67% and optimized CI pipeline efficiency by 43%.
- **Achieved** SOC 2 compliance with cross-functional teams.
- **Advanced** AI-driven topic analysis for improved decisions.
- **Enabled** live chat translation to boost global collaboration.
- **Revamped** architecture to lower technical debt and enhance platform reliability.

Senior Software Engineer

Nomad Spaces Incorporated, Delaware – USA | Aug 2023 – April 2024

- **Led** the efforts to develop a dynamic marketing content generation system that leverages LLMs and generative AI. This led to a 30% increase in view to the marketing website.
- **Architected and** built the user management and IdP systems of the web application. Implemented magic links and QR codes for safe and easy logins.

- **Implemented** a robust event notification system for handling systems messages. This greatly increased the throughput of the existing system.

Software Engineering Lead

KSDAC L.L.P, Noida – India | September 2013 – December 2023

- **Led** a dynamic technology team, aligning technical strategies with corporate goals to drive business growth.
- **Spearheaded** the development and maintenance of critical technical systems, setting up and enforcing standards for quality and performance.
- **Managed** cross-functional teams, fostering collaboration between developers, project managers, and designers to meet project deadlines and budget requirements.
- **Designed and developed** software solutions using Node.js, Golang, JavaScript, TypeScript, PHP, Python and Java perfecting system performance and user experience.

Lead Software Consultant

Gaiasys Technologies Pvt Ltd, Noida – India | October 2019 – June 2020

- **Facilitated** a seamless transition from a third-party software vendor to an in-house engineering team, enhancing operational efficiency.
- **Established** a skilled team of engineers, articulated clear technical roadmaps, and instituted best practices in DevOps and software development.
- **Contributed** to code reviews and solution design, ensuring the delivery of high-quality software products.

Co-Founder and CTO

Patch Us, Noida – India | December 2016 - September 2019

- **Architected and designed** an innovative platform for integrated communications, setting new benchmarks in user experience and functionality.
- **Led** the development of diverse applications, using technologies like React Native and Vue.js to enhance platform capabilities.
- **Responsible** for designing and building solutions using technologies like MEAN/MEVN, Socket.io, Redis, PostgreSQL, Asterisk, WebRTC, Django, AWS, Digital Ocean, Linux.

Project Engineer (Developer Mainframe)

Wipro, Pune – India | May 2012 – May 2013

Initiated career as a Mainframe Developer, mastering Cobol, JCL, and DB2 to contribute to key projects and enhance system functionalities.

Education:

Bachelor of Technology in Computer Science Engineering

Amity University, Noida, India | Graduated in 2012

Skills:

Leadership & Management

- **Engineering Leadership:** Building and scaling high-performing teams, mentoring engineers, and aligning engineering strategy with business goals
- **Cross-Functional Collaboration:** Facilitating communication between product, technical, and stakeholder teams to drive alignment and delivery
- **Process & Quality Management:** Achieved **SOC 2 compliance**, implemented CI/CD modernization (67% faster deployments), and enforced coding standards and best practices
- **Agile & Lean Practices:** Agile Project Management, Lean Management, Six Sigma, DevOps culture adoption, and iterative delivery for faster time-to-market
- **Innovation & Product Strategy:** Driving AI/automation initiatives, integrating LLMs, and enabling data-driven decision-making through advanced analytics

Technical Expertise

- **Programming Languages:** Golang, TypeScript, JavaScript, PHP, Java, Python, Cobol
- **Frameworks & Libraries:** React, React Native, Vue, Angular, Svelte, Next.js, NestJS, Express, Loopback, Laravel, MEAN/MEVN stacks, Socket.io, WebRTC, Django
- **Cloud & Infrastructure:** AWS (Step Functions, RDS, IAM), Azure, GCP, Kubernetes, Docker, Digital Ocean, Serverless Architecture
- **DevOps & CI/CD:** Jenkins, GitHub Actions, automated testing pipelines, infrastructure as code, monitoring and observability
- **AI/ML Tools:** LangChain, Linear Regression Models, AI-driven text analytics, generative AI integration
- **Data Engineering & Analytics:** ETL pipelines, real-time event notification systems, live chat translation, AI-driven topic analysis
- **Relational & NoSQL Databases:** PostgreSQL, MySQL, MongoDB, CouchDB, Redis, Elasticsearch, RDS, Planetscale, LevelDB
- **Methodologies & Practices:** Agile Project Management, DevOps, Serverless Architecture, CI/CD

Certifications:

- Microeconomics - MITx Courses
- Certified PHP Developer - HP Education Services India Ltd.
- Lean Management | BSI
- Six Sigma | BSI
- Agile Project Management - Udemy
- Complete React Developer - ZTM Academy
- Golang Web Development - Udemy
- Certified Brainstorming Specialist Masterclass - AIGPE™
- Machine Learning Product Management: A Practical Guide 2023 - Udemy