

# HARMEET SINGH

New Delhi, India

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## Summary

Full Stack Software Engineer with 3+ years of experience in building robust backend and responsive frontend systems for high-impact applications. Skilled in microservice architecture, API development, cloud infrastructure (AWS, Google Cloud), and modern frontend frameworks like React.js and Next.js. Proven track record in enhancing system performance, security, and user experience across the stack. Seeking to leverage a well-rounded technical skill set and a problem-solving mindset in a full-stack engineering role.

## Education

**Guru Tegh Bahadur Institute of Technology**

**Aug. 2017 – July 2021**

*Bachelor of Technology in Electronic & Communication*

*New Delhi, India*

- **Grade:** A

## Experience

**NexGen IOT Solutions**

**July 2021 – August 2024**

*Software Engineer*

*Gurugram, Haryana*

- Led the development and optimization of Ecommerce and OTT platforms, improving performance by 20% and reducing latency by 30% through microservice architecture and caching strategies.
- Designed RESTful APIs and microservices for dynamic web applications, reducing API response time by 30% and scaling services to handle a 40% increase in traffic.
- Developed serverless applications with AWS Lambda, cutting infrastructure costs by 20% and boosting event processing speed by 40%.
- Enhanced data retrieval performance by 25% by integrating Elasticsearch and optimizing query execution in relational databases (Postgres, DynamoDB).
- Utilized Go's concurrency model and gRPC for building scalable and low-latency microservices, improving system throughput by 35%.

## Projects

**Nispanid: Meditation and Sleep** | *Software Engineer*

- Developed a mobile application for iOS and Android, serving 50k+ active users. Reduced app load time by 25% through optimized microservices and caching strategies.
- Implemented encryption protocols for data at rest and in transit, improving application security by 40%.
- Architected a backend solution using Node.js, Express.js, and MongoDB, secured with JWT and OAuth2, to support real-time user interactions and scalable data storage.

**Tender Scraper** | *Software Engineer*

- Developed an automated scraper using Python and BeautifulSoup, increasing data collection efficiency by 30% across multiple tender websites.
- Enhanced data extraction accuracy by implementing error handling and validation techniques, reducing data inconsistencies by 25%.
- Designed a scheduling system to enable real-time updates, reducing average data retrieval time by 40%.

## Technical Skills

**Languages:** JavaScript, TypeScript, Python, Go, C++

**Backend:** Node.js, Express.js, GraphQL, gRPC, REST APIs, Microservices

**Frontend:** HTML, CSS, JavaScript, React.js, Next.js

**Databases:** MySQL, PostgreSQL, MongoDB, DynamoDB, Redis

**Tools & Platforms:** AWS, Docker, Git, GitHub, GitLab, Jenkins, Elasticsearch

## Certifications

MongoDB Certified Developer Associate

AWS Certified Developer – Associate

Alibaba Cloud Associate

## Extracurricular Activities

Open-source contributor to various projects on GitHub, utilizing JavaScript and Go to improve both backend functionalities and frontend experiences.

Participated in hackathons and other coding competitions on platforms like HackerRank, Codeforces, and LeetCode to enhance problem-solving skills and collaborate with fellow developers.

Volunteer at a non-profit tech training organization for underprivileged youth, teaching basic programming and web development skills.