

Seena Singh

Senior Software Engineer

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PROFILE

Senior Software Engineer with 4+ years of experience designing and optimizing high-performance, scalable systems. Specialized in **cloud-native architectures, AI/ML-driven automation, and distributed systems**. Passionate about building solutions that scale to millions of users while improving efficiency and reliability.

SKILLS

- **Programming:** Node.js, Go, Python, TypeScript, JavaScript, Nest JS
- **Cloud & DevOps:** AWS, Kubernetes, Docker, Terraform, CI/CD
- **Databases:** PostgreSQL, MongoDB, Redis, ElasticSearch
- **System Architecture:** Microservices, Event-Driven Systems, Serverless
- **AI/ML:** TensorFlow, OpenAI APIs, GPT, FastAPI
- **APIs & Integration:** GraphQL, REST, WebSockets
- **Tools & Platforms:** Git, Jira, Agile, Linux, Mulesoft

PROFESSIONAL EXPERIENCE

Senior Software Engineer

Tricon Infotech

08/2022 – present
Bangalore, India

- Spearheaded the development of a **cloud-based order processing system**, seamlessly integrating with **10+ ERP sources**, resulting in a **40% increase in processing speed**.
- Designed and implemented a **scalable AWS-based orchestration layer** using **Mulesoft, API Gateway, SNS, and Terraform**, enabling efficient and reliable API communication.
- Collaborated with one of the **largest EdTech platforms**, serving **30 million monthly active users**, to develop a **centralized authentication system** for **20+ business units**.
- **Automated critical business workflows**, streamlining operations, **reducing dependencies**, and boosting efficiency across **5+ cross-functional teams**.
- Leveraged expertise in **NestJS, Golang, Angular, and React** to deliver **high-performance, scalable solutions**.
- Achieved **rapid career progression**, advancing from **Associate → Software Engineer → Senior Engineer** within just **1.5 years**, driven by technical excellence and leadership.

Backend Developer

Kilobyte Technologies

02/2022 – 07/2022
Dehli, India

- Built **5+ finance and stock market applications**, processing data for **80M+ users worldwide**.
- Developed scalable **Node.js and AWS-based APIs**, optimizing performance and reducing **response times by 60%**.
- Led backend architecture, **improving system scalability and security**.

Full-Stack Developer

Freelance

06/2020 – 01/2022
Dehli, India

- Developed **dynamic Android apps and high-performance web platforms** for global clients.
- Specialized in **MERN, Laravel, SQL, NoSQL**, and **AI-driven automation**.
- Worked with automation and IOT-based companies for software development.


EDUCATION

Bachelor of Technology in Electronics and Communication Engineering

Guru Jambheshwar University of Science and Technology

2018 – 2022
Hisar, India


PROJECTS

Hexabull 

2022

Kilobyte Technologies

- Built a platform for tracking the financial information of all companies registered in India.
- Developed using **Node JS, Angular, MongoDB and elastic search**, deployed on **AWS** with a **scalable** Infra.
- Utilized git with CI/CD, agile methodology and TDD approach.

Housingram 

2024

Freelancer

- Designed and developed a **scalable real estate platform** enabling **end-to-end process streamlining**, including **customized property management, buying, selling, inventory tracking, and multi-tenant support**.
- Engineered a **microservices-based backend architecture** using **Node.js (TypeScript)** and **PostgreSQL (ORM)** to ensure **high performance, scalability, and seamless integration** across sales, management, and finance tracking modules.


AI-Powered Manufacturing Inspection System

2024

Toyota, Elisrun

- **Built an AI-based visual inspection system** for **Toyota's engine manufacturing plant**, using **7 cameras with automation**, boosting production by **50%**.
- Stack: **Python, Machine Learning, Electron.js, Modbus TCP, PLC Automation**.

OPEN-SOURCE CONTRIBUTIONS & COMMUNITY INVOLVEMENT

- Contributor to **Strapi**  .
- Technical blogger and speaker at developer meetups.