GURJAPPAN SINGH

LEAD ENGINEER

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SUMMARY

With a decade of experience in modern, complex application development, he is a seasoned technology leader who led the creation of a SaaS platform that used AI. He excels in scripting, server management, CI/CD, TDD, etc., consistently driving projects from concept to enterprise-level success. Leveraging frameworks like OAS, lean startup principles, and web3 technologies, he makes strategic product decisions and delivers engaging presentations.

PROFESSIONAL EXPERIENCE

Frontend lead, Scrollmark   **April 2023 - Present**

- Joined the team at its early stage and architected the SaaS platform's front-end from the ground up—covering authentication, design patterns, framework selection, testing, deployments, CI pipeline, Storybook integration, and cloud operations.
- Led and mentored a team of three developers, enforcing rigorous code reviews and fostering a culture of innovation.
- Engineered the platform to include AI capabilities and built a complex journey builder featuring drag-and-drop and collaboration modes using Reactflow and Yjs.
- Delivered a robust, scalable system that significantly enhanced the product's value proposition, playing a pivotal role in securing key investment funding.

Sr. Software Engineer, Cruise Automation   **Jan 2022 - Jan 2023**

- Joined as a full-stack developer on a safety-critical platform where autonomous vehicle reliability is paramount.
- Built robust features including live video call integration, Twilio-based communications, SOS functionalities, and integrated real-time data and maps to track the live location of vehicles.
- Applied advanced design patterns in TypeScript to ensure high-quality, maintainable code for mission-critical applications while collaborating across multiple teams.
- Collaborated within a large, agile team, gaining deep insights into teamwork and high-stakes product development in an innovative environment.

Sr. Software Engineer, Trantor Software   **Nov 2019 - Nov 2021**

- Joined as a full-stack developer for a leading travel insurance company.
- Designed and implemented robust REST APIs using NestJS to power core functionalities.
- Developed an engaging and responsive React frontend for seamless user experiences.

Software Engineer, Big Berry Media   **Jan 2017 - Nov 2019**

- Joined as an engineer, contributing to service-based projects that involved intricate Google Maps operations and real-time data processing.
- Engineered solutions using RabbitMQ and AWS to efficiently manage high volumes of streaming data.
- Developed video streaming features with AWS Kinesis Video Streams, ensuring scalable and reliable media delivery.
- Architected serverless systems to streamline operations and enhance overall performance.

SKILLS

Typescript	NestJS	NextJS
MongoDB	Tailwind	Docker
Playwright	RAG/AI	Python
Scripting	AWS	React Native

EDUCATION

Bachelors of Technology in Computer Science
Punjab Technical University

July 2011 - July 2015