

About

6 years of experience in **React** and **Node**, specializing in **System Design**, backed by a solid foundation in **Computer Science**.

Education

Panjab University. B.E (CS) 2014-2018 - 81.10%

Skills

- HTML5, CSS3, JavaScript
 - TypeScript, **Node**, Express, NestJs
 - **React**, Angular, ES6, Webpack
 - AWS - Lambda, CloudFront, DevOps,
 - Git, SVN, GitHub
 - Web API, REST APIs, GraphQL
- Load balancing, Apache Kafka, RabbitMQ, AWS - ECS, EKS, CloudFormation
 - MongoDB, PostgreSQL, Redis
 - Docker, Kubernetes, Azure, GCP
 - Python, CNN, LLM

Work Experience

MonkAI Technologies	Position: Co-Founder (Startup)	Oct 2022 - Present
<ul style="list-style-type: none">• Created a smart-CCTV system utilizing Raspberry Pi Zero and IoT technology, offering a wireless, cost-effective, and user-friendly alternative to conventional security systems.• Working on an AI, challan-gpt, and made a pitch desk of some critical issues on existing UIDAI OTP-based authentication system to govt.		
Apti.io	Position: Senior Software Engineer	Jul 2020 - Sep 2022
<ul style="list-style-type: none">• Achieved a 27% decrease in server expenses by transitioning from a monolithic architecture to deploying numerous microservices, coupled with the integration of automated scaling and efficient traffic management.• Enhanced the video player's load time within the user feed of our application by implementing a strategy that only pre-loads 25% of the content.		
Paxcom	Position: Full Stack Web Developer	May 2019 - Oct, 2019
<ul style="list-style-type: none">• Decreased the load on the backend using a loadbalancer and distributed equal load on 2 separate microservices.• Minimized extraneous database queries by integrating Redis as a caching layer, resulting in a single definitive database call rather than 6-7.		
Block8	Position: Software Engineer	May 2018 - May 2019
<ul style="list-style-type: none">• Optimized a Node.js web application's performance by refining database queries, significantly improving runtime efficiency		

Projects

- **MyStake:** Enhanced transaction speed by 20% and security of a blockchain-based platform that facilitates real-time share trading in Australia.
 - **MyStake:** Executed Stripe payment interface integration within the Node.js back-end system
 - **Block8:** Reduced the initial load time of the React website by 20 milliseconds
- **Paxcom:** Reduced the memory usage by 70% of a CPU-demanding task of Excel to HTML transformation in Node.js by architecting a dedicated microservice.
 - **SmartCCTV:** Created a smart-CCTV system utilizing Raspberry Pi Zero and IoT technology, offering a wireless, cost-effective, and user-friendly alternative to conventional security systems.