

5+ 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**
 - **React**, Angular, ES6, Webpack
 - **Node**, Express, Nest.Js
 - Python, C++, C, Java
 - Docker, Kubernetes, Azure, GCP
 - Web API, REST APIs, GraphQL
 - Browser Internals, Network Stack
 - Testing Frameworks: **Jest**, Selenium, Cypress
- AWS - **Lambda**, CloudFront, DevOps
 - **MongoDB**, PostgreSQL, Redis
 - Cross Team Communication
 - Computer Science Fundamentals
 - Load balancing, **Apache Kafka**, **RabbitMQ**, AWS - ECS, EKS, CloudFormation,
 - Team Collaboration, High-Quality Code
 - Excellent Communication Skills
- Object Oriented Programming
 - Continuous delivery/deployment system
 - **System Design**, Code Review, GitHub Actions - CI/CD, Jenkins, Puppet
 - Version Control - Git, SVN, GitHub
 - Data Structure, Algorithms,
 - Automated Integration, Analysis, Prediction - ML/AIOPS, Kusto, Power BI

Work Experience

- 1248 Technologies**

Position: Co-Founder (Startup)

Oct 2022 - Present

 - 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

 - 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

 - 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

 - 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.
 - **Toyota**: Directed the system design as a Team Lead for a top-tier automobile company, Toyota, successfully securing their continued partnership with a \$1M USD client retention deal