

Mrigank Sagar

📧 mriganksagar | 📞 +91 9069168030 | ✉ mriganksagar@gmail.com | 🔗 mrigank-sagar

Experienced Full-Stack Engineer looking for a full time job

Education



B.Tech in Computer Engineering
DELHI TECHNOLOGICAL UNIVERSITY

2017 - 2021
Delhi, India

- CGPA: 8.0
- Lab Internship: Simulated networks and its load to develop optimised routing for Software Defined Networks
- Major Project: Software development approach using ontologies to easily document and maintain the software system

Experience

Optum **Full Stack Software Engineer**
OPTUM (UHG)

2021 - Present
Gurugram, India

- **Role and Project:** Key contributor in the development of a comprehensive service platform that integrates gym memberships, vendor shopping, and search functionalities. Additionally spearheaded the development of an operations platform designed to streamline client partner onboarding and management with features to improve project operations, and empower customer service teams with tools to efficiently resolve member issues.
- **Backend Development:** Engineered microservices for RESTful and GraphQL APIs. Leveraged Scala with Play Framework, Cats-Effects, and Quill to create highly concurrent, resilient and scalable microservices. Resulting in quick response time even under high traffic conditions, with services efficiently sustaining higher loads. Additionally, employed Spring with Java for building middleware microservices, and developed Node.js microservices using Nest.js to provide GraphQL APIs to the UI application while ensuring minimum overhead and seamless integration across the system.
- **UI and Frontend Development:** Engineered a dynamic and responsive user interface with React.js and Next.js, incorporating Redux for efficient state management. Spearheaded the rebranding of the product to implement a modern and attractive UI, resulting in a 30% increase in user retention. Implemented server-side rendering with Next.js to enhance load times and SEO. Focused on optimization, accessibility, and user engagement. Additionally, developed a cross-platform mobile application using React Native.
- **Engineering Support:** Resolved critical bugs related to payment processing and member eligibility, significantly improving system reliability and contributing to increased customer retention.

Scala | Java | Spring | Play | JavaScript | TypeScript | React.js | Next.js | React-Native

Projects

Torrent Downloader
DESIGNER/DEVELOPER

2023 - Present

- Developed a torrent client as a functional static site, enabling torrent downloads directly through the browser without backend processing or additional installations.
- Leveraged React.js, Vite Framework to create a seamless and efficient application with Webtorrent.js to power the Torrent client.
- Utilised ShadCn and Tanstack UI libraries with Tailwind to craft a highly responsive and visually appealing user interface.

Publications

Rohit Beniwal, M. S. (2021). *Ontology Driven Software Development for Better Understanding and Maintenance of Software System*. 73–81.

Skills

Programming Languages
Frontend
Backend
Scala Tech-stack
Tools & Platforms
Concepts
Languages

Scala | Java | JavaScript | TypeScript | C++ | C | Python
React.js | Next.js | React Native | Redux | HTML/CSS | Tailwind
Play | Spring | Nest.js | PostgreSQL | REST APIs | GraphQL
Play | Cats | Cats-Effects | Akka | Akka/pekko streams | Slick | Doobie, Quill
Git | Docker | Kubernetes | Linux
Data Structures & Algorithms | Functional Programming | Object-Oriented Design.
English | Hindi