# Mayank Raj

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## Skills

- JavaScript | TypeScript | PostgressDB | MySQL | Node | Express | Fastify | Anguler | HTML | CSS | MongoDB | SQL | NoSQL | Git
- AWS S3 | PeerJS | WebRTC | Socket.io | Jenkins | Docker | WSO2 | Jmeter | System Design | Jira  | Jest | Unit Testing | Postman
- Microservices | Linux Servers | Distributed Systems | Frontend | Backend | Full-Stack | English, Hindi.

## Experience

### Associate Software Engineer — **Quantela** — *Hyderabad, IND*   **06/2023 - Present**

- Led the design and development of Implemented **AWS data masking** to enhance project security, introduced an API for email notifications and restricted **time range API access** for enhanced security, and added **API monitoring features** to enhance reliability.
- Revived non-functional scheduled reports service after one-year downtime. Led the development of dynamic features for **custom PDF Excel, and CSV generation**, Implemented the **'Custom Report'** feature enabling JSON-based report creation with scheduling via **Kafka**.
- Led the design and development of **API consumer requests**, capturing key data points. Integrated querying functionality via the "**get this metric data**" API for City Admins' insights into consumer behavior, software Implementation, testing, and configuring metrics, monitors,
- Integrated the **Pear Health API** into the **4.2 release** of mobile microservices. tested before handing it over to  **QA** for scrutiny.
- Managed a suite of **13 microservices**, frameworks such as **Fastify**, **Express**, **Koa**, and **Loopback** to performance and scalability..
- Addressed all identified **security vulnerabilities** flagged by **Black Duck**, ensuring application integrity and security for all microservices.
- Upgraded microservices from **Node v10** to **v18**, including several services, and actively involved in loopback to fastify migration.

### Full-Stack Web Developer Trainee — **Masai** — *Bengaluru, IND*   **09/2022 - 05/2022**

- Learned front-end development, data structures, and algorithms as part of the program. Specialized in backend development, focusing on Node.js, Express, server-side programming, system design, and databases like relational and non-relational. Also learned TypeScript, AWS, and React. Spent 1200 hours of actual coding in Masai School, building real-time web applications and solving over 800+ DSA problems. Spent 200 hours on holistic development, including teamwork, remote collaboration, and project contribution skills.

## Projects

### WorkDesk     GitHub     Live

- Developed WorkDesk, a Zoom clone, with video meetings, screen sharing, and messaging features. Managed login/signup, Google/GitHub auth, and backend deployment. Collaboratively built in 5 days using HTML/CSS/JavaScript, Node.js, Express, MongoDB, PeerJS, WebRTC, and Socket.io, refining skills in frontend/backend development.

### FireWheeel     GitHub     Live

- Developed a Firestone clone for tire and automobile parts sales, incorporating HTML5, CSS3, JavaScript, Bootstrap, Node.js, Express, MongoDB, and APIs. Implemented admin and user modules allowing sign-up, log-in, product viewing, sorting, filtering, and searching, with CRUD operations enabled. Individual project completed in 5 days, enhancing skills in Bootstrap, Express.js, Node.js, HTML, CSS, and JavaScript

### Snips & Spikes   GitHub     Live

- Developed a Hair Salon booking app with features like user signup, login, service viewing, appointment booking, and cancellation. Admin functionalities included CRUD operations on services, employees, and users. Collaboratively built using Bootstrap, HTML/CSS/JavaScript, SweeperJS, Node.js, Express.js, MongoDB, REST APIs, bcrypt, and Nodemailer within a 5-day timeframe. Skills enhanced in HTML, CSS, JavaScript, Node.js, Express.js, Bootstrap, MongoDB, API, and system design.

## Education

### Master of Computer Application — **IGNOU** — *Hyderabad, IND*   **07/2024 - 06/2026**

- Specialized in computer science, particularly in areas such as software engineering, algorithms, database management, ML, and internet technologies.

### Full-Stack Web Developer Trainee — **Masai School** — *Bengaluru, IND*   **07/2022 - 06/2023**

- Specialized in backend development, focusing on Node.js, Express, server-side programming, system design, and databases like relational and non-relational. Also learned TypeScript, AWS, and React

### Bachelor of Computer Application — **Mohanlal Sukhadia University** — *Udaipur, IND*   **08/2019 - 06/2022**

- proficiency in programming languages like C, C++, and Java. Additionally, I developed strong problem-solving skills and practical experience through projects and internships in database management, data structures, and computer networks.

## Certifications

- **Zoom Marathon challenge.** Link **(09/2022)**     •  **JavaScript**: Link  **(02/2014)**