

# Abhishek Raj

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## Profile Summary

Backend-focused Software Engineer with experience building scalable web and ERP applications using Node.js, and developing expertise in Golang and AI/ML. Skilled in designing RESTful APIs, working with MongoDB/MySQL, and applying caching and messaging systems (Redis, Kafka). Contributing to open-source Python/Flask projects for API integration and web scraping. Strong in data structures, system design, with a passion for building reliable, production-ready services.

## Education

### Vedica Institute of Technology

BE in Computer Science

Bhopal

July 2020 - May 2024

- GPA: 7.75/10

## Experience

### Psquare Company

Full Stack Developer

Mohali, India

September 2024 - Present

#### • MASSAED ELEVATORS ERP (Dubai-based — July 2025 – Till Date)

Tech Stack: Typescript, React, Node.js, Express, MongoDB, Sass

Contributed to Phase 1 ERP with **6 core modules**:

- Designed employee hierarchy with job, leave, and break details.
- Managed resources, products (geared, gearless, hydraulic hoist, vacuum), and spare parts.
- Built workflows for services (e.g., lift cleaning) and tiered memberships (Black, Gold, Silver, Red, Green).

#### • SURYACON ERP (Sep 2024 - June 2025)

Tech Stack: Typescript, Electron, MongoDB, Express.js, React.js, PouchDB, WebSockets

Core developer of a construction-focused ERP desktop app; contributed to modules like **Taskmaster, Billing, Project Manager**, and **Designation/Department**.

- Built centralized management of manpower, resources, and work instructions.
- Designed multi-level billing flow with MD approvals.
- Implemented role hierarchy, access control, and task allocation.
- Added offline-first support with PouchDB and real-time sync via WebSockets.

#### • CEPPL ERP (Jan 2025 – Mar 2025)

Tech Stack: Typescript, React, Node.js, Express, MongoDB

Led the frontend team of 4 in building a custom ERP system from scratch.

- Designed stock flow tracking across **Parts, Sub-assemblies, and Assemblies**.
- Focused on reusable components and scalable UI for long-term maintainability.

### Getravs Technologies

Full Stack Developer

Mumbai, India

October 2023 – August 2024

- Worked on 4+ full-stack projects across multiple domains, delivering production-ready MERN applications.

- Developed reusable UI components, optimized REST APIs, and integrated AI features for seamless user experience.

## Technologies

**Programming Languages:** TypeScript, JavaScript, Python, Golang, Java

**Frameworks & Libraries:** Node.js, Express.js, Flask, Gin, React.js, Redux Toolkit, RTK Query, Tailwind, Sass, WebSockets, NumPy, Pandas, Matplotlib, Scikit-learn

**Systems & Tools:** AWS, Docker, GitHub, GitHub Actions (CI/CD), Bitbucket, Nginx, Jenkins, Grafana K6, Kafka, REST

**Databases:** MongoDB, PostgreSQL, MySQL, Redis

**CS Fundamentals:** Data Structures, Algorithms, Object-Oriented Programming, Problem Solving, Complexity Analysis

**Machine Learning:** Exploratory Data Analysis (EDA), Model Building, Regression & Classification, Model Evaluation

## Technical Interests

- Distributed Systems • System Design • Microservices • Scalability • Performance Optimization • DevOps Practices