

Saivinay Manda

Full Stack Developer (nodejs) | 3 years experience

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EDUCATION

Universita degli studi di Genova, Genoa

Oct 2024

Master's, Ingneria Informatica – LM32, Robotics Engineering

The National Institute of Engineering, Mysore Bachelor's,

Jan 2019

Mechanical Engineering

SKILLS

Frontend Development: Next.js (App Router), TypeScript, javascript, React, Redux, HTML, CSS, web dashboards, user-facing web applications, modern responsive UI

Backend Development: JavaScript, TypeScript, Node.js, Expressjs, NestJS, RESTful API development

Full Stack/ Web Development: End-to-end web application development, product shipping and release cycles

APIs: REST API implementation and consumption, third-party system integrations

Architecture: MVC design pattern, Backend systems development, end-to-end product development

Database: CRUD operations, database interaction, postgreSQL, Supabase, Redis, MongoDB

Integrations: Third-party integrations, Rest Apis

Data & Visualization: Apache Echarts, chartjs

Testing and Devops: Unit testing, use of testing tools, Git, Docker, Basic CI/CD, Azure, Aws, Vercel

Code Quality: Performance optimization, Best Practices, Agile,

Scrum

Problem Solving & Autonomy: Independent development,

ownership mindset, Startup/SaaS experience

Languages: Italian (A2), English (C2)

EXPERIENCE

Carsu Technologies | Carsu bv – Saas Application

Software Developer (Full Stack)/ Freelance/ Netherlands(remote)/ Jun 2025 - Sep 2025

- Developed **multi-tenant SaaS modules** using **Next.js, NestJS, Prisma, and Supabase**, enabling scalable and secure onboarding for enterprise B2B clients.
- Designed and implemented a **robust RBAC system** using **Clerk Auth and Supabase Row-Level Security (RLS)**, significantly improving access control and security compliance.
- Established a **pnpm-based monorepo architecture**, reducing dependency installation time by **40%** and improving developer productivity.
- Integrated **RESTful APIs** to ensure reliable, efficient data exchange between **Next.js frontend and NestJS backend** services.

Italian Institute of Technology (IIT), AI Lab Unige

Research Intern / Software Engineer – Robotics Lab (Thesis Project)/ Genoa, Italy/ Dec 2023 - oct 2024

Project: Context-aware Verifiable and Adaptive Dynamic Deliberation

- Developed software modules to support new features in existing applications.
- Implemented and validated the monitoring framework on the IIT R1 robot as part of the RobMoSys initiative, an EU project focused on enhancing robotics software development, integrating RML and a Prolog-based oracle.
- Developed and integrated advanced safety strategies, including improvements in human-robot interaction.

ManyDesigns Srl

Software Developer (Full stack)/ Genoa, Italy/ May 2023 - Nov 2023

- Designed and developed **scalable, reusable React.js components** using **TypeScript and Ant Design**, ensuring clean component architecture and UI consistency across enterprise SaaS platforms.
- Implemented **role-based authentication (user, admin, manager)** in React, delivering **secure access control** and a smooth, reliable login experience.
- Built **dynamic navigation flows** with **breadcrumbs and multi-step workflows**, improving usability and task completion rates by **25%**.
- Integrated **RESTful APIs** with efficient **state handling and client-side caching**, reducing unnecessary re-renders and improving frontend performance.
- Collaborated closely with **backend, product, and QA teams** in an **Agile/Scrum environment**, contributing to sprint delivery, UI polish, and performance optimization

Aceteq web services Pvt Ltd

Web Developer/ Bangalore, India/ Jul 2018 - May 2020

- Assisted in building a **real-time chat application** using **JavaScript, jQuery, and Socket.IO**, supporting live messaging and basic event handling.
- Helped implement **user authentication and role-based access control**, improving application security and understanding of access management concepts.
- Contributed to developing **responsive web pages and internal dashboards** using **HTML, CSS, JavaScript, and Chart.js** for basic analytics visualization.
- Worked with **Node.js, Express.js, MongoDB, and MySQL** to store and retrieve application data, assisting in query optimization and backend integration.
- Participated in **manual and automated testing**, API testing with **Postman**, issue tracking in **Jira**, and preparation of technical documentation to support stable releases.

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