

Madhav Trivedi

Software Engineer

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SUMMARY

Software Engineer with **6 years** of experience in designing and building scalable backend systems and web applications. Skilled in **NodeJS, NestJS, Python, SQL, TypeScript, and JavaScript**, with expertise in **system design**, and **microservices architecture**. Experienced working in **Agile environments**. Ability to **lead**, and **collaborating with cross-functional teams** to deliver production-ready features. Experienced with **CI/CD pipelines, and monitoring**. Focus on building **good connections with clients and stakeholders**.

TECHNICAL SKILLS

Languages:	JavaScript, TypeScript, Python
Backend & Frameworks:	Node.js, NestJS, Flask, Django
Databases & ORM:	PostgreSQL, MySQL, TypeORM
Frontend Technologies:	React, Angular, HTML, CSS
Cloud & DevOps:	AWS (Batch, Airflow, EC2, S3), Docker, GitLab CI/CD, Terraform, Kafka
APIs & Integrations:	RESTful APIs, JWT, Swagger/OpenAPI, Postman
Testing & Code Quality:	Jest, ESLint, Prettier
Other Tools:	Git, NPM, JIRA
Core CS & Architecture:	Data Structures & Algorithms, System Design, Object-Oriented Programming, Scalable Microservices, Debugging & Troubleshooting

SECONDARY SKILLS

Leadership | Team Collaboration | Adaptability | Interpersonal Communication | Delegation | Detail-oriented

WORK EXPERIENCE

Madison Logic India Dec 2024 – Current
(Sr. Backend Engineer) Pune, MH

- Released **15+ high revenue-impact applications**, introducing **Blue/Green deployments** and maintained **inter-team collaboration** with Infra, Dev, Salesforce, and QA teams to ensure smooth, stable rollout.
- Migrated a **monolith to microservices** by designing scalable architecture, DB schemas, and RESTful APIs for modular delivery.
- Built a custom lead delivery system in **collaboration with client teams**, driving a **35% increase in revenue** and significantly improving operational efficiency.
- Designed and developed an end-to-end **Lead Scoring System**, driving significant positive **revenue impact**.
- Automated SDK generation** with **Swagger Codegen** using **shell scripts** and **GitLab CI**, and managed internal NPM packages with **semantic/API versioning in an Nx monorepo**.
- Strategised smooth rollouts using **A/B testing** strategy to have minimum revenue impact.
- Contributed to develop **Outbox Pattern** with **Kafka** to achieve **data reliability** and **real-time event streaming** across distributed microservices.
- Ensured code quality and performance through **Husky pre-commit hooks**, **GitLab CI pipelines**, and **application monitoring with Datadog**.

Thinkbridge Software Pvt. Ltd. Nov 2020 – Sep 2024
(Software Engineer) Pune, MH

- Developed and managed **Fintech applications**, a **Career Service Portal**, and a **Product Subscription tool**.
- Gather and analyze requirements, Task delegation, approving consistent and responsive UI wireframes, Code reviews, managing CI/CD pipelines.
- Implemented **multilingual support** by **Internationalization/Localization (I18N/L10N)** and optimized performance by handling data efficiently and **implementing client-side caching**. Increasing client's revenue by **2x and expanding the application's global reach**.

- Designed a **high-performance system**, with an ability to **fuzzy search** for a dataset of **1M+ entries on Client side** and improved the page performance by around **50%**.

Ubisoft India

(Junior Web Developer)

Jan 2020 – Nov 2020

Pune, MH

- Built an automated system at Ubisoft India to streamline repetitive manual tasks performed by the HR team. **Leveraged the cron jobs to execute scripts automatically based on specified conditions**, resulting in a robust solution. **Enhanced the work accuracy of the HR team by 10-15% and reduced manual workload by 80%**.
- Migrated a **Monolithic Architecture to Microservices**, increasing application performance by 30-40%.

iTalent India Management Consultants Pvt. Ltd. (Web Developer Intern)

May 2019 — June 2019

PROJECTS

- **Portfolio Site | Skills:** React, GitHub deployment, SSL Integration, DNS configuration, Hosting
- **Tab's Archive | Skills:** Problem Solving, System Design, Design Patterns, JavaScript, Project Management, Chrome API
- **Curve (Covid-19 Cases monitoring mobile app) | Skills:** Flutter, Dart, Firebase, Data Visualization
- **Face Detection Attendance System | Skills:** Python, OpenCV, Microsoft Azure Cognitive Services, SQL

CERTIFICATIONS

- **Data Structures and Algorithms** – GeeksForGeeks
- **System Design from Low Level to High Level** - GeeksForGeeks
- **J.P. Morgan's Software Engineering Virtual Experience** - Forage
- **Data Analytics with Python** - FreeCodeCamp
- **Scientific Computing with Python** - FreeCodeCamp
- **JavaScript Algorithms and Data Structures** - FreeCodeCamp
- **Back End Development and APIs** - FreeCodeCamp

ACHIEVEMENTS

- Graduated with an **8.15 GPA** from **MIT Pune**.
- Secured **3rd rank in the Smart India Hackathon 2019** at **IIT Kanpur**. It provided an opportunity to work on a project that addressed a real-world problem while **collaborating with a team of 5 members**.
- **Selected as a placement coordinator** and **worked closely with the MIT Pune placement team** to provide on-campus placement opportunities for students. We were successful in **bringing over 75 companies** on campus within 60 days and obtaining placements for **over 90% of the targeted students**.
- **Organized a national-level hackathon (Technocon Lakshya 2019)** at **MIT Pune**, which provided a platform for students to showcase their technical skills and innovations. I contributed by **designing a few rounds of Hackathon, bringing the sponsors, and marketing the event** on social media to reach as many students as possible across the nation. As a result, **250-300 students attended the event from 4 states**.

EDUCATION

MCA Computer Science - 8.15 CGPA

2017 – 2020

Maharashtra Institute of Technology (MIT), Pune, India

ONLINE PRESENCE

Portfolio: <https://www.madhavtrivedi.com>

Free Code Camp: <https://www.freecodecamp.org/madhavtrivedi77>

Hacker Rank: https://www.hackerrank.com/madhavtrivedi_77

GitHub: <https://github.com/Madhav-77>

INTERESTS

Health & Fitness, Geopolitics, Investment & Trading, Astrophysics, Singing, Playing Guitar, Travelling, and Reading

LANGUAGES

English, Hindi, Gujarati, Marathi